



Mirage over door heater

Application

The Diffusion Mirage over door heater is an ideal choice for banks, building societies, supermarkets, large retail outlets, and hospitals. With its compact dimensions, the unit can be mounted into areas with limited door to ceiling height. The energy saving controls option allows its use where energy/running costs are a critical consideration.

Description

The Diffusion Mirage recessed over door heater has been designed, with its compact shape, to harmoniously integrate into the aesthetics of modern entrances. The unit is available in lengths of 1.0m, 1.2m, 1.5m, 1.8m and 2.0m, in either LPHW or electric versions. The Mirage over door heater is supplied with remote controls mounted onto a purpose designed switch plate, which is suitable for fitting to a standard two gang, recessed or surface mounted, electrical back box.

Chassis

The chassis shall be manufactured from a minimum of 1.2mm thick galvanised mild steel. All galvanised mild steel items shall be self finished. The chassis shall be suitably stiffened to prevent flexing and distortion.

Casing (optional)

The casing shall be manufactured from a minimum of 1.2mm thick Zintec. The casing shall be suitably stiffened to prevent flexing and distortion. The unit shall have a suitable, full length, removable access panel for maintenance purposes. The casing shall be powder coated white RAL 9010 as standard, other colours can be provided on request.

Fan assembly

The unit shall be fitted with a high output permanent split phase capacitor, continuously rated and complete with a built in thermal overload protection, complying with BS 2048 1961 part 1 and BS 5000. The fans shall be of the double inlet, double width centrifugal type dynamically balanced in two planes according to DIN standards ISO 1940. The motors shall be insulated to BS 2757 (class B). For ease of maintenance, the fan and motor sub-assembly shall be fitted with a quick release hinged mechanism, allowing easy removal.

Electric Elements

Each element shall be manufactured from 8mm fully sheathed stainless steel rods, with 4mm pitched spiral fins. A manual re-set high temperature cut-out shall be fitted in accordance with standard safety requirements. The elements comply with BS7351 – 1990.

Heat Exchanger (LPHW Version)

The coil shall be manufactured from solid drawn copper tubes, mechanically expanded into accurately pre-formed collars in rippled plate type aluminium fins. Each coil shall be arranged for multi-circuit operation complete with headers and suitable for a LPHW 2 pipe system. Each coil assembly shall be fitted with an air vents and drain connections. The coil shall be pressure tested to 40 bar and be suitable for operation with a static head of up to 30 metres. Coil tails are 28mm plain copper.

Discharge & Inlet Grille

The grille shall be a vision proof (40°) linear type manufactured from extruded aluminium and shall be finished in RAL 9010 20% gloss as standard. The grille houses both the inlet and discharge air for the unit and is retained by quick release captive screws. The grille also provides easy access to the internal components of the unit for maintenance purposes.

Filter (LPHW version only)

The filter shall be constructed from a fine mesh, housed within a lightweight frame, which can be easily removed for cleaning and maintenance.

Controls

Electric version: Supplied with a remote control plate housing on/off, speed high/low, heat off, low and high, finished in satin chrome as standard, other finishes are available as options. The unit can be used in ambient mode, by using the fans only setting. All the switches for the above functions are fitted to a purpose-designed remote control plate, suitable for fitting onto a standard two gang, recessed or surface mount, electrical back box.

Standard LPHW version: Supplied with a remote control plate housing 4 speeds/off, finished in satin chrome as standard, other finishes are available as options. All the switches for the above functions are fitted to a purpose designed remote control plate, suitable for fitting onto a standard two gang, recessed or surface mount, electrical back box.

As an optional extra our energy saving control system offers state of the art design and with the use of PID control and air off sensing technology, the heat output can be infinitely varied automatically by either increasing or reducing the average electrical power to the heating elements on the electric version or increasing or reducing the water flow rate via a 3-port valve on

water version to maintain the preset air off temperature, whilst maintaining constant air velocity. The standard package is equipped with an off coil temperature sensor offering manual summer/winter settings for all year round control. Should closer control be required, adding the optional return air and outside air temperature sensors provides all year round fully automatic control, without the need for manual summer/winter switching. PIR sensors can be added to give automatic on/off control of the unit. The controller also offers fan run on facility, BMS input control and fault indication, time clock input, fan only operation and input for occupancy sensor/door switch control, and a LCD remote control plate housing 4 speeds & off, finished in brushed stainless steel.

Function Tests

Each unit shall be function tested at our factory to ensure correct operation. All electrical components shall be tested to ensure each unit and its associated wiring complies with the 16th edition of IEE. The unit shall be manufactured in accordance with BS EN ISO 9001:2000 quality standards.

Optional Extras

Low water temperature cut out:

Provides automatic shutdown of the fan/motor when boilers have been switched off (standard controls only).

Summer/Winter switch (manual): Used in conjunction with the room thermostat and/or low water temperature cut out, this will allow the fan only to run for air movement (standard controls only).

Remote thermostat: Available in adjustable or tamperproof (standard & Energy saving controls).

BMS interface relay: 24vac relay and base (standard controls only).

Energy saving control packages (refer to controls section for details).

PIR Sensor to give automatic on/off control of the unit (Energy saving controls only).

Return air sensor: Mounted integral to the unit (Energy saving controls only).

Outside temperature sensor: Sensor to detect outside conditions (Energy saving controls only).

Mirage over door heater - Performance Details

Electric version

| MODEL | SPEED | DUTY | AIR Volume | AIR ON | AIR OFF | ELECTRICAL SUPPLY | STARTING CURRENT | FULL LOAD CURRENT | UNIT WEIGHT | GUIDE NR | GUIDE dBA |
|----------|-------|----------|---------------|-----------|------------|----------------------|---------------------|----------------------|----------------|-------------|--------------|
| 1000E | HIGH | 3/6 kW | 340l/s | 20 °C | 34 °C | 230-1-50 | 30.0A | 27.0A | 41 kg | NR56 | 59dBA |
| 3/6 kW | LOW | 3/6 kW | 240l/s | 20 °C | 40 °C | 230-1-50 | | | | NR47 | 50dBA |
| | | | | | | | | | | | |
| MODEL | SPEED | DUTY | AIR Volume | AIR ON | AIR OFF | ELECTRICAL SUPPLY | STARTING CURRENT | FULL LOAD CURRENT | UNIT WEIGHT | GUIDE NR | GUIDE dBA |
| 1000E | HIGH | 6/9 kW | 350l/s | 20 °C | 41 °C | 415-3-50 | 16.5A | 13.5A | 42 kg | NR57 | 60dBA |
| 6/9 kW | LOW | 6/9 kW | 270l/s | 20 °C | 47 °C | 415-3-50 | | | | NR50 | 53dBA |
| | | | | | | | | | | | |
| MODEL | SPEED | DUTY | AIR Volume | AIR ON | AIR OFF | ELECTRICAL SUPPLY | STARTING CURRENT | FULL LOAD CURRENT | UNIT WEIGHT | GUIDE NR | GUIDE dBA |
| 1200E | HIGH | 6/9 kW | 450l/s | 20 °C | 36 °C | 415-3-50 | 18.5A | 14.0A | 59 kg | NR55 | 58dBA |
| 6/9 kW | LOW | 6/9 kW | 390l/s | 20 °C | 39 °C | 415-3-50 | | | | NR52 | 55dBA |
| | | | | | | | | | | | |
| MODEL | SPEED | DUTY | AIR Volume | AIR ON | AIR OFF | ELECTRICAL SUPPLY | STARTING CURRENT | FULL LOAD CURRENT | UNIT WEIGHT | GUIDE NR | GUIDE dBA |
| 1500E | HIGH | 8/12 kW | 500l/s | 20 °C | 40 °C | 415-3-50 | 25.0A | 19.0A | 64 kg | NR56 | 60dBA |
| 8/12 kW | LOW | 8/12 kW | 430l/s | 20 °C | 43 °C | 415-3-50 | | | | NR53 | 57dBA |
| | | | | | | | | | | | |
| MODEL | SPEED | DUTY | AIR Volume | AIR ON | AIR OFF | ELECTRICAL SUPPLY | STARTING CURRENT | FULL LOAD CURRENT | UNIT WEIGHT | GUIDE NR | GUIDE dBA |
| 1800E | HIGH | 6/12 kW | 600l/s | 20 °C | 36 °C | 415-3-50 | 25.0A | 19.0A | 73 kg | NR56 | 59dBA |
| 6/12 kW | LOW | 6/12 kW | 450l/s | 20 °C | 42 °C | 415-3-50 | | | | NR50 | 53dBA |
| | | | | | | | | | | | |
| MODEL | SPEED | DUTY | AIR Volume | AIR ON | AIR OFF | ELECTRICAL SUPPLY | STARTING CURRENT | FULL LOAD CURRENT | UNIT WEIGHT | GUIDE NR | GUIDE dBA |
| 1800E | HIGH | 12/18 kW | 670l/s | 20 °C | 42 °C | 415-3-50 | 32.5A | 27.0A | 74 kg | NR56 | 59dBA |
| 12/18 kW | LOW | 12/18 kW | 530l/s | 20 °C | 48 °C | 415-3-50 | | | | NR50 | 53dBA |
| | | | | | | | | | | | |
| MODEL | SPEED | DUTY | AIR Volume | AIR ON | AIR OFF | ELECTRICAL SUPPLY | STARTING CURRENT | FULL LOAD CURRENT | UNIT WEIGHT | GUIDE NR | GUIDE dBA |
| 2000E | HIGH | 12/18 kW | 730l/s | 20 °C | 40 °C | 415-3-50 | 34.0A | 28.0A | 76 kg | NR59 | 62dBA |
| 12/18 kW | LOW | 12/18 kW | 540l/s | 20 °C | 47 °C | 415-3-50 | | | | NR52 | 55dBA |

NOTES Guide NR values given are based on 1 off unit mounted 3.0m above a typical door within a typical space and measured at 3.0m horizontally from the unit discharge grille.

dBA figures given are calculated from the sound pressure levels measured at 3.0m horizontally from the unit discharge grille.



Standard electric remote control plate.



Standard LPHW remote control plate. Dimensions 146mm x 86mm.



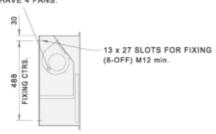
Diffusion Environmental Systems

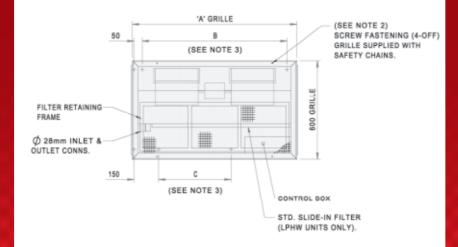
Mirage over door heater - Performance Details

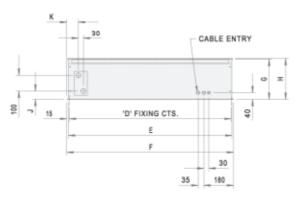
LPHW version

| Second | MODEL | SPEED | DUTY | 1 | I | 1 | | | | | | | | | | L L |
|--|---|--|--|--|---|---|--|--|---|--|--|--|--|--|---|---|
| Page | 1000W | BOOST | 10.80 kW | | | | | | | | | | | | | |
| Money Mone | Standard | HIGH | 9.40 kW | 270l/s | 20 °C | 48 °C | 82 °C | 5.2 kpa | 0.240l/s | 230-1-50 | | | | NR50 | 53dBA | |
| Part | Capacity | MED | 8.00 kW | 210l/s | 20 °C | 51 °C | 82 °C | 5.2 kpa | 0.240l/s | 230-1-50 | | | | NR44 | 47dBA | |
| March Marc | | LOW | 6.00 kW | 130l/s | 20 °C | 57 °C | 82 °C | 5.2 kpa | 0.240l/s | 230-1-50 | | | | NR31 | 35dBA | |
| 1900 1709 | MODEL | SPEED | DUTY | AIR | AIR | AIR | WATER | WATER | WATER | ELEC | STARTING | FULLLOAD | UNIT | GUIDE | GUIDE | PIPE |
| Migra Migr | | | | VOLUME | ON | 0FF | FLOW TEMP. | PRES. DROP | FLOW RATE | SUPPLY | CURRENT | CURRENT | WEIGHT | NR | dBA | SIZE |
| March Marc | 1000W | | | 330l/s | | | - | 8.6 kpa | 0.356l/s | | 3.00A | 1.00A | 40 kg | NR59 | | 28mm 0.D. |
| Month Month March March March March March March Month Month March Marc | - | | | | | | | · · | | | | | | | | |
| | Capacity | | | | | | - | · · | - | | | | | | | |
| March Marc | | | | | | | | | | | | | | | | |
| Might 200 kW 440/6 20°C 62°C 20°C 20° | MODEL | SPEED | DUTY | 1 | I | 1 | | | | | | - | | | | |
| Capacity MED 20.60 kW 400k 20 °C 6.5 °C 6.5 °C 20.2 kp 20.2 kp 20.5 kp 20. | 1200W | BOOST | 23.10 kW | 470l/s | 20 °C | 61 °C | 82 °C | 20.2 kpa | 0.51l/s | 230-1-50 | 4.05A | 1.20A | 58 kg | NR57 | 60dBA | 28mm 0.D. |
| Model Septem March Septem March Septem March M | Super | HIGH | 22.00 kW | 440l/s | 20 °C | 62 °C | 82 °C | 20.2 kpa | 0.51l/s | 230-1-50 | | | | NR55 | 59dBA | |
| MODEL SPEED DUTY AIR VALUME OFF OF | Capacity | MED | 20.60 kW | 400l/s | 20 °C | 63 °C | 82 °C | 20.2 kpa | 0.51l/s | 230-1-50 | | | | NR54 | 57dBA | |
| Note | | LOW | 18.70 kW | 350l/s | 20 °C | 64 °C | 82 °C | 20.2 kpa | 0.51l/s | 230-1-50 | | | | NR50 | 53dBA | |
| Section Boost 17.30 kW Selvic 20°C 47°C 82°C 11.5 kga 0.391/5 20-1.50 4.05A 1.30A 5.9 kg N1855 5.96BA 28mm 0.D. | MODEL | SPEED | DUTY | I | I | 1 | | | | | | | | | | |
| Standard HIGH 15.40 kW 450/s 20 °C 48 °C 82 °C 11.5 kps 0.39/s 230-150 NR59 536RA | | DOODT | | | | | | | | | | | | | | _ |
| Capacity MED 13.00 kW 350/s 20 °C 51 °C 82 °C 11.5 kpa 0.39/s 230-1-50 | | | | | | | | | - | | 4.05A | 1.30A | 59 kg | | | 28mm 0.D. |
| Model SPEED | | | | | | | | | | | | | | | | |
| MODEL SPEED DUTY AIR VOLUME ON OF CAN TEAM PRES DROP FLAW PART SUPPLY CURRENT CURR | Capacity | | | - | | | _ | | - | | | | | | | |
| | MODEL | | | | | | | | | | CTARTING | FULL LOAD | UNIT | | | DIDE |
| High High High High High 22.00 kW 4401/5 20 °C 63 °C 82 °C 14.6 kps 0.5201/5 230-1-50 | WODEL | SPEED | DUIT | 1 | 1 | 1 | | | | | | | | | | |
| Model | 1500W | B00ST | 24.00 kW | 500l/s | 20 °C | 59 °C | 82 °C | 14.6 kpa | 0.520l/s | 230-1-50 | 4.05A | 1.35A | 61 kg | NR56 | 60dBA | 28mm 0.D. |
| NAME Company | High | HIGH | 22.00 kW | 440l/s | 20 °C | 60 °C | 82 °C | 14.6 kpa | 0.520l/s | 230-1-50 | | | | NR54 | 58dBA | |
| MODEL SPEED DUTY AIR ON OFF ROWTEN PRES. REOP FLOW PATE SUPPLY CUIDERN'T CURRENT WEIGHT WEIG | Capacity | MED | 18.25 kW | 340l/s | 20 °C | 63 °C | 82 °C | 14.6 kpa | 0.520l/s | 230-1-50 | | | | NR52 | 56dBA | |
| Note | | LOW | 15.00 kW | 260l/s | 20 °C | 67 °C | 82 °C | 14.6 kpa | 0.520l/s | 230-1-50 | | | | NR46 | 50dBA | |
| 1500W 1600ST 30.10 kW 650Vs 20 °C 58 °C 82 °C 28.0 kpa 0.670Vs 23-01-50 5.10A 1.70A 6.3 kg NR57 6.06BA 28mm 0.D. | MODEL | SPEED | DUTY | ATR | ATD | ΔTP | WATER | WATER | WATER | FLEC | CTADTING | FULL LOAD | HNIT | CHIDE | CHIDE | DIDE |
| High 27.50 kW 570/s 20 °C 60 °C 82 °C 28.0 kpa 0.670 /s 230-1-50 | | | | I | I | 1 | | | | | | | | | | |
| MED 23.10 kW 450/s 20 °C 62 °C 82 °C 28.0 kpa 0.670/s 230-1-50 | 1500W | ROOST | | VOLUME | ON | 0FF | FLOW TEMP. | PRES. DROP | FLOW RATE | SUPPLY | CURRENT | CURRENT | WEIGHT | NR | dBA | SIZE |
| MODEL SPEED DUTY AIR AIR VALUME ON OFF FLOW TEAM PRES. DROP FLOW TEAM PRES. DROP FLOW TEAM FLOW TEAM PRES. DROP FL | | | 30.10 kW | VOLUME 650l/s | ON 20 °C | 0FF 58 °C | FLOW TEMP. 82 °C | PRES. DROP 28.0 kpa | FLOW RATE 0.6701/s | SUPPLY 230-1-50 | CURRENT | CURRENT | WEIGHT | NR NR57 | dBA 60dBA | SIZE |
| No. | Super | HIGH | 30.10 kW 27.50 kW | VOLUME 6501/s 5701/s | ON 20 °C 20 °C | 0FF 58 °C 60 °C | 82 °C 82 °C | 28.0 kpa 28.0 kpa | 0.670l/s 0.670l/s | 230-1-50 230-1-50 | CURRENT | CURRENT | WEIGHT | NR NR57 NR55 | dBA 60dBA 59dBA | SIZE |
| No. | Super | HIGH MED | 30.10 kW 27.50 kW 23.10 kW | VOLUME 6501/s 5701/s 4501/s | 20 °C 20 °C 20 °C | 58 °C 60 °C 62 °C | 82 °C 82 °C 82 °C | 28.0 kpa 28.0 kpa 28.0 kpa 28.0 kpa | 0.6701/s 0.6701/s 0.6701/s 0.6701/s | 230-1-50 230-1-50 230-1-50 | CURRENT | CURRENT | WEIGHT | NR NR57 NR55 NR53 | dBA 60dBA 59dBA 57dBA | SIZE |
| Standard HIGH 19.20 kW 570l/s 20 °C 48 °C 82 °C 11.8 kpa 0.470l/s 230-1-50 | Super Capacity | HIGH MED LOW | 30.10 kW 27.50 kW 23.10 kW 18.20 kW | VOLUME 650I/s 570I/s 450I/s 330I/s | 0N 20 °C 20 °C 20 °C 20 °C | 58 °C 60 °C 62 °C 66 °C | 82 °C 82 °C 82 °C 82 °C 82 °C | PRES. DROP 28.0 kpa 28.0 kpa 28.0 kpa 28.0 kpa 28.0 kpa | 0.670l/s 0.670l/s 0.670l/s 0.670l/s 0.670l/s | 230-1-50 230-1-50 230-1-50 230-1-50 | 5.10A | 1.70A | WEIGHT 63 kg | NR NR57 NR55 NR53 NR49 | dBA 60dBA 59dBA 57dBA 53dBA | SIZE 28mm 0.D. |
| MED 16.40 kW 450/s 20 °C 50 °C 82 °C 11.8 kpa 0.470/s 230-1-50 | Super Capacity | HIGH MED LOW | 30.10 kW 27.50 kW 23.10 kW 18.20 kW | VOLUME 6501/s 5701/s 4501/s 3301/s AIR | ON 20 °C 20 °C 20 °C 20 °C AIR | 58 °C 60 °C 62 °C 66 °C | ## FLOW TEMP 82 °C 82 °C 82 °C 82 °C 82 °C 82 °C WATER | 28.0 kpa 28.0 kpa 28.0 kpa 28.0 kpa 28.0 kpa WATER | 0.6701/s 0.6701/s 0.6701/s 0.6701/s 0.6701/s WATER | 230-1-50 230-1-50 230-1-50 230-1-50 230-1-50 | 5.10A STARTING | 1.70A | WEIGHT 63 kg UNIT | NR NR57 NR55 NR53 NR49 | dBA 60dBA 59dBA 57dBA 53dBA | SIZE 28mm 0.D. |
| LOW 12,30 kW 300l/s 20 °C 53 °C 82 °C 11.8 kpa 0.470l/s 230-1-50 | Super Capacity MODEL | HIGH MED LOW SPEED | 30.10 kW 27.50 kW 23.10 kW 18.20 kW | VOLUME 6501/s 5701/s 4501/s 3301/s AIR VOLUME | 0N 20 °C 20 °C 20 °C 20 °C 4IR 0N | 58 °C 60 °C 62 °C 66 °C AIR OFF | 82 °C | 28.0 kpa 28.0 kpa 28.0 kpa 28.0 kpa 28.0 kpa WATER PRES. DROP | 0.6701/s 0.6701/s 0.6701/s 0.6701/s 0.6701/s WATER FLOW RATE | 230-1-50 230-1-50 230-1-50 230-1-50 230-1-50 ELEC SUPPLY | 5.10A STARTING CURRENT | 1.70A FULL LOAD CURRENT | WEIGHT 63 kg UNIT WEIGHT | NR NR57 NR55 NR53 NR49 GUIDE NR | dBA 60dBA 59dBA 57dBA 53dBA GUIDE dBA | SIZE 28mm 0.D. PIPE SIZE |
| MODEL SPEED DUTY AIR VOLUME ON OFF FLOW TEMP PRES. DROP FLOW RATE SUPPLY CURRENT CURRENT WEIGHT WEIGHT WEIGHT NR GBD GBD SIZE | Super Capacity MODEL 1800W | HIGH MED LOW SPEED BOOST | 30.10 kW 27.50 kW 23.10 kW 18.20 kW DUTY | VOLUME 6501/s 5701/s 4501/s 3301/s AIR VOLUME 6501/s | ON 20 °C 20 °C 20 °C 20 °C AIR ON 20 °C 20 °C 20 °C | 58 °C 60 °C 62 °C 66 °C AIR OFF 47 °C | ## FLOW TEMP ## 82 °C ## 82 °C ## 82 °C ## 82 °C ## WATER ## FLOW TEMP ## 82 °C | 28.0 kpa 28.0 kpa 28.0 kpa 28.0 kpa 28.0 kpa 28.0 kpa MATER PRES. DROP | 0.6701/s 0.6701/s 0.6701/s 0.6701/s 0.6701/s WATER FLOW RATE 0.4701/s | \$UPPLY 230-1-50 230-1-50 230-1-50 230-1-50 ELEC \$UPPLY 230-1-50 | 5.10A STARTING CURRENT | 1.70A FULL LOAD CURRENT | WEIGHT 63 kg UNIT WEIGHT | NR NR57 NR55 NR53 NR49 GUIDE NR NN60 | dBA 60dBA 59dBA 57dBA 53dBA GUIDE dBA 63dBA | SIZE 28mm 0.D. PIPE SIZE |
| Note | Super Capacity MODEL 1800W Standard | HIGH MED LOW SPEED BOOST HIGH MED | 30.10 kW 27.50 kW 23.10 kW 18.20 kW DUTY 21.00 kW 19.20 kW | VOLUME 6501/s 5701/s 4501/s 3301/s AIR VOLUME 6501/s 5701/s 4501/s | 0N 20 °C | 0FF 58 °C 60 °C 62 °C 66 °C 47 °C 48 °C 50 °C | ## REPORT OF THE PROPERTY OF T | PRES. DROP 28.0 kpa 28.0 kpa 28.0 kpa 28.0 kpa WATER PRES. DROP 11.8 kpa 11.8 kpa | FLOWRATE 0.6701/s 0.6701/s 0.6701/s 0.6701/s WATER FLOWRATE 0.4701/s 0.4701/s | 230-1-50 230-1-50 230-1-50 230-1-50 230-1-50 ELEC SUPPLY 230-1-50 230-1-50 | 5.10A STARTING CURRENT | 1.70A FULL LOAD CURRENT | WEIGHT 63 kg UNIT WEIGHT | NR NR57 NR55 NR53 NR49 GUIDE NR NN60 NR56 NR56 | dBA 60dBA 59dBA 57dBA 53dBA 63dBA 63dBA 53dBA 53dBA 59dBA 53dBA | SIZE 28mm 0.D. PIPE SIZE |
| 1800W B00ST 30.70 kW 650l/s 20 °C 58 °C 82 °C 13.5 kpa 0.682l/s 230-1-50 5.40A 1.80A 74 kg NR60 63dBA 28mm 0.D. | Super Capacity MODEL 1800W Standard | HIGH MED LOW SPEED BOOST HIGH MED | 30.10 kW 27.50 kW 23.10 kW 18.20 kW DUTY 21.00 kW 19.20 kW | VOLUME 6501/s 5701/s 4501/s 3301/s AIR VOLUME 6501/s 5701/s 4501/s | 0N 20 °C | 0FF 58 °C 60 °C 62 °C 66 °C 47 °C 48 °C 50 °C | ## REPORT OF THE PROPERTY OF T | PRES. DROP 28.0 kpa 28.0 kpa 28.0 kpa 28.0 kpa WATER PRES. DROP 11.8 kpa 11.8 kpa | FLOWRATE 0.6701/s 0.6701/s 0.6701/s 0.6701/s WATER FLOWRATE 0.4701/s 0.4701/s | 230-1-50 230-1-50 230-1-50 230-1-50 230-1-50 ELEC SUPPLY 230-1-50 230-1-50 | 5.10A STARTING CURRENT | 1.70A FULL LOAD CURRENT | WEIGHT 63 kg UNIT WEIGHT | NR NR57 NR55 NR53 NR49 GUIDE NR NN60 NR56 NR56 | dBA 60dBA 59dBA 57dBA 53dBA 63dBA 63dBA 53dBA 53dBA 59dBA 53dBA | SIZE 28mm 0.D. PIPE SIZE |
| High High 28.00 kW 570l/s 20 °C 60 °C 82 °C 13.5 kpa 0.682l/s 230-1-50 | Super Capacity MODEL 1800W Standard Capacity | HIGH MED LOW SPEED BOOST HIGH MED LOW | 30.10 kW 27.50 kW 23.10 kW 18.20 kW DUTY 21.00 kW 19.20 kW 16.40 kW | VOLUME 650l/s 570l/s 450l/s 330l/s AIR VOLUME 650l/s 570l/s 450l/s 300l/s | 0N 20 °C 21 | 0FF 58 °C 60 °C 62 °C 66 °C AIR 0FF 47 °C 48 °C 50 °C 53 °C AIR | ## FLOW TEMP. ## 82 °C ## 82 °C ## 82 °C ## WATER ## FLOW TEMP. ## 82 °C ## 82 °C ## 82 °C ## 82 °C ## WATER | PRES. DROP 28.0 kpa 28.0 kpa 28.0 kpa 28.0 kpa WATER PRES. DROP 11.8 kpa 11.8 kpa 11.8 kpa WATER | FLOW RATE 0.6701/s 0.6701/s 0.6701/s 0.6701/s WATER FLOW RATE 0.4701/s 0.4701/s 0.4701/s WATER | 230-1-50 230-1-50 230-1-50 230-1-50 230-1-50 ELEC SUPPLY 230-1-50 230-1-50 230-1-50 | STARTING CURRENT 5.40A STARTING | FULLLOAD CURRENT 1.70A FULLLOAD FULLLOAD FULLLOAD | WEIGHT 63 kg UNIT WEIGHT 72 kg UNIT | NR NR57 NR55 NR53 NR49 GUIDE NR NN60 NR56 NR50 NR37 | dBA 60dBA 59dBA 57dBA 57dBA 63dBA 63dBA 63dBA 53dBA 41dBA | PIPE SIZE 28mm 0.D. |
| LOW 16.40 kW 270l/s 20 °C 69 °C 82 °C 13.5 kpa 0.682l/s 230-1-50 NR37 41dBA | Super Capacity MODEL 1800W Standard Capacity MODEL | HIGH MED LOW SPEED BOOST HIGH MED LOW | 30.10 kW 27.50 kW 23.10 kW 18.20 kW DUTY 21.00 kW 19.20 kW 16.40 kW DUTY | VOLUME 650l/s 570l/s 450l/s 330l/s AIR VOLUME 650l/s 570l/s 450l/s 300l/s AIR VOLUME | 0N 20 °C 20 °C 20 °C 20 °C 20 °C 20 °C AIR 0N 20 °C | 0FF 58 °C 60 °C 62 °C 66 °C AIR 0FF 47 °C 48 °C 50 °C 53 °C AIR 0FF | ## FLOW TEMP. ## 82 °C ## 82 °C ## 82 °C ## WATER ## FLOW TEMP. ## 82 °C ## 82 °C ## 82 °C ## WATER ## FLOW TEMP. | PRES. DROP 28.0 kpa 28.0 kpa 28.0 kpa 28.0 kpa WATER PRES. DROP 11.8 kpa 11.8 kpa 11.8 kpa WATER PRES. DROP | FLOW RATE 0.6701/s 0.6701/s 0.6701/s WATER FLOW RATE 0.4701/s 0.4701/s 0.4701/s WATER FLOW RATE FLOW RATE FLOW RATE | \$UPPLY 230-1-50 230-1-50 230-1-50 ELEC \$UPPLY 230-1-50 230-1-50 230-1-50 230-1-50 ELEC \$UPPLY ELEC \$UP | STARTING CURRENT 5.40A STARTING CURRENT | FULLLOAD CURRENT 1.70A FULLLOAD CURRENT 1.70A | WEIGHT 63 kg UNIT WEIGHT 72 kg UNIT WEIGHT | NR NR57 NR55 NR53 NR49 GUIDE NR NN60 NR56 NR50 NR37 | dBA 60dBA 59dBA 57dBA 57dBA 63dBA 63dBA 63dBA 53dBA 63dBA 63dBA 63dBA 63dBA | PIPE SIZE 28mm 0.D. |
| MODEL SPEED DUTY AIR VOLUME ON OFF FLOW TEMP. PRES. DROP FLOW RATE SUPPLY CURRENT CURRENT CURRENT CURRENT WEIGHT NR dBA SIZE | Super Capacity MODEL 1800W Standard Capacity MODEL 1800W | HIGH MED LOW SPEED BOOST HIGH MED LOW SPEED BOOST BOOST | 30.10 kW 27.50 kW 23.10 kW 18.20 kW 21.00 kW 19.20 kW 16.40 kW 12.30 kW 30.70 kW | VOLUME 6501/s 5701/s 4501/s 3301/s AIR VOLUME 6501/s 5701/s 4501/s 3001/s AIR VOLUME 6501/s | 0N 20 °C 20 | 0FF 58 °C 60 °C 62 °C 66 °C AIR 0FF 47 °C 48 °C 50 °C 53 °C AIR 0FF 58 °C | ## FLOW TEMP. ## 82 °C ## 82 °C ## 82 °C ## 82 °C ## WATER ## FLOW TEMP. ## 82 °C ## 82 °C ## WATER ## ## ## ## ## ## ## ## ## ## ## ## ## | PRES. DROP 28.0 kpa 28.0 kpa 28.0 kpa 28.0 kpa WATER PRES. DROP 11.8 kpa | FLOW RATE 0.6701/s 0.6701/s 0.6701/s 0.6701/s WATER FLOW RATE 0.4701/s 0.4701/s 0.4701/s 0.4701/s WATER FLOW RATE 0.6821/s | \$UPPLY 230-1-50 200-1-50 230-1-50 200-1 | STARTING CURRENT 5.40A STARTING CURRENT | FULLLOAD CURRENT 1.70A FULLLOAD CURRENT 1.70A | WEIGHT 63 kg UNIT WEIGHT 72 kg UNIT WEIGHT | NR NR57 NR55 NR53 NR49 GUIDE NR NN60 NR56 NR50 NR37 GUIDE NR NR60 | dBA 60dBA 59dBA 57dBA 53dBA 63dBA 63dBA 53dBA 41dBA GUIDE dBA 63dBA 63dBA | PIPE SIZE 28mm 0.D. |
| Note | Super Capacity MODEL 1800W Standard Capacity MODEL 1800W High | HIGH MED LOW SPEED BOOST HIGH MED LOW SPEED BOOST HIGH HIGH | 30.10 kW 27.50 kW 23.10 kW 18.20 kW 21.00 kW 19.20 kW 16.40 kW 12.30 kW 30.70 kW 28.00 kW | VOLUME 650l/s 570l/s 450l/s 330l/s AIR VOLUME 650l/s 450l/s 300l/s 450l/s 300l/s AIR VOLUME 650l/s 570l/s 570l/s 570l/s | 0N 20 °C | 0FF 58 °C 60 °C 62 °C 66 °C AIR 0FF 47 °C 48 °C 50 °C AIR 0FF 58 °C 60 °C | Section Section | PRES. DROP 28.0 kpa 28.0 kpa 28.0 kpa 28.0 kpa WATER PRES. DROP 11.8 kpa | FLOWRATE 0.670l/s 0.670l/s 0.670l/s 0.670l/s 0.670l/s WATER FLOWRATE 0.470l/s 0.470l/s 0.470l/s 0.470l/s 0.470l/s 0.682l/s | \$UPPLY 230-1-50 230-1-50 230-1-50 230-1-50 230-1-50 230-1-50 230-1-50 230-1-50 230-1-50 230-1-50 230-1-50 230-1-50 230-1-50 230-1-50 230-1-50 230-1-50 230-1-50 230-1-50 | STARTING CURRENT 5.40A STARTING CURRENT | FULLLOAD CURRENT 1.70A FULLLOAD CURRENT 1.70A | WEIGHT 63 kg UNIT WEIGHT 72 kg UNIT WEIGHT | NR NR57 NR55 NR55 NR53 NR49 GUIDE NR NN60 NR56 NR50 NR37 GUIDE NR NR60 NR56 | dBA 60dBA 59dBA 57dBA 53dBA 63dBA 63dBA 59dBA 41dBA 63dBA 63dBA 59dBA 63dBA 59dBA 63dBA | PIPE SIZE 28mm 0.D. |
| 2000W B00ST 21.70 kW 750l/s 20 °C 44 °C 82 °C 11.3 kpa 0.483l/s 230-1-50 6.00A 2.00A 72 kg NR59 62dBA 28mm 0.D. | Super Capacity MODEL 1800W Standard Capacity MODEL 1800W High | HIGH MED LOW SPEED BOOST HIGH MED LOW SPEED BOOST HIGH MED HIGH MED HIGH | 30.10 kW 27.50 kW 23.10 kW 18.20 kW 21.00 kW 19.20 kW 19.20 kW 12.30 kW 28.00 kW 23.70 kW | VOLUME 650l/s 570l/s 450l/s 330l/s AIR VOLUME 650l/s 570l/s 450l/s 300l/s AIR VOLUME 650l/s 450l/s 450l/s 450l/s 450l/s 450l/s 450l/s | 0N 20 °C | 0FF 58 °C 60 °C 62 °C 66 °C AIR 0FF 47 °C 48 °C 50 °C 53 °C AIR 0FF 58 °C 60 °C 63 °C | Section | PRES. DROP 28.0 kpa 28.0 kpa 28.0 kpa 28.0 kpa WATER PRES. DROP 11.8 kpa 11.8 kpa 11.8 kpa 11.8 kpa 11.5 kpa 13.5 kpa 13.5 kpa | FLOW RATE 0.6701/s 0.6701/s 0.6701/s 0.6701/s WATER FLOW RATE 0.4701/s 0.4701/s 0.4701/s 0.4701/s 0.6821/s 0.6821/s | SUPPLY 230-1-50 | STARTING CURRENT 5.40A STARTING CURRENT | FULLLOAD CURRENT 1.70A FULLLOAD CURRENT 1.70A | WEIGHT 63 kg UNIT WEIGHT 72 kg UNIT WEIGHT | NR NR57 NR55 NR55 NR53 NR49 GUIDE NR NN60 NR56 NR50 NR37 GUIDE NR NR60 NR56 NR50 | dBA 60dBA 59dBA 57dBA 53dBA 63dBA 63dBA 53dBA 63dBA 63dBA 59dBA 63dBA 63dBA 53dBA 53dBA 63dBA 53dBA 63dBA 63dBA | PIPE SIZE 28mm 0.D. |
| Standard HIGH 19.60 kW 635l/s 20 °C 45 °C 82 °C 11.3 kpa 0.483l/s 230-1-50 NR55 58dBA | Super Capacity MODEL 1800W Standard Capacity MODEL 1800W High Capacity | HIGH MED LOW SPEED BOOST HIGH MED LOW SPEED BOOST HIGH MED LOW LOW LOW LOW LOW LOW LOW LOW | 30.10 kW 27.50 kW 23.10 kW 18.20 kW DUTY 21.00 kW 19.20 kW 16.40 kW 12.30 kW DUTY 30.70 kW 28.00 kW 23.70 kW | VOLUME 650l/s 570l/s 450l/s 330l/s AIR VOLUME 650l/s 570l/s 450l/s 300l/s AIR VOLUME 650l/s 450l/s 270l/s 450l/s | 0N 20 °C | 0FF 58 °C 60 °C 62 °C 66 °C AIR 0FF 47 °C 48 °C 50 °C 53 °C AIR 0FF 58 °C 60 °C 63 °C 69 °C | Section | PRES. DROP 28.0 kpa 28.0 kpa 28.0 kpa 28.0 kpa WATER PRES. DROP 11.8 kpa 11.8 kpa 11.8 kpa 11.5 kpa 13.5 kpa 13.5 kpa | FLOW RATE 0.6701/s 0.6701/s 0.6701/s 0.6701/s WATER FLOW RATE 0.4701/s 0.4701/s WATER FLOW RATE 0.4701/s 0.4701/s 0.6821/s 0.6821/s | \$UPPLY 230-1-50 230-1-50 230-1-50 ELEC SUPPLY 230-1-50 230-1-50 230-1-50 230-1-50 230-1-50 230-1-50 230-1-50 230-1-50 230-1-50 230-1-50 230-1-50 230-1-50 | STARTING CURRENT 5.40A STARTING CURRENT 5.40A | FULLLOAD CURRENT 1.70A FULLLOAD CURRENT 1.70A FULLLOAD CURRENT 1.80A | UNIT WEIGHT 72 kg UNIT WEIGHT 74 kg | NR NR57 NR55 NR53 NR49 GUIDE NR NN60 NR56 NR50 NR37 GUIDE NR NR60 NR37 | dBA 60dBA 59dBA 57dBA 57dBA 63dBA 63dBA 53dBA 41dBA 63dBA 53dBA 41dBA 63dBA 41dBA 41dBA 63dBA 59dBA 41dBA | PIPE SIZE 28mm 0.D. PIPE SIZE 28mm 0.D. |
| Capacity MED 16.90 kW 500l/s 20 °C 47 °C 82 °C 11.3 kpa 0.483l/s 230-1-50 NR49 52dBA NR33 37dBA MODEL SPEED DUTY AIR VOLUME ON OFF FLOW TEMP PRES. DROP FLOW RATE SUPPLY CURRENT CURRENT WEIGHT WEIGHT WEIGHT WR59 WR5 | Super Capacity MODEL 1800W Standard Capacity MODEL 1800W High Capacity | HIGH MED LOW SPEED BOOST HIGH MED LOW SPEED BOOST HIGH MED LOW LOW LOW LOW LOW LOW LOW LOW | 30.10 kW 27.50 kW 23.10 kW 18.20 kW DUTY 21.00 kW 19.20 kW 16.40 kW 12.30 kW DUTY 30.70 kW 28.00 kW 23.70 kW | VOLUME 650l/s 570l/s 450l/s 330l/s AIR VOLUME 650l/s 570l/s 450l/s 300l/s AIR VOLUME 650l/s 450l/s 270l/s AIR | ON 20 °C | 0FF 58 °C 60 °C 62 °C 66 °C AIR 0FF 47 °C 48 °C 50 °C 53 °C AIR 0FF 58 °C 60 °C 63 °C 69 °C AIR | Section | PRES. DROP 28.0 kpa 28.0 kpa 28.0 kpa 28.0 kpa WATER PRES. DROP 11.8 kpa 11.8 kpa 11.8 kpa 11.8 kpa 13.5 kpa 13.5 kpa 13.5 kpa WATER | FLOW RATE 0.6701/s 0.6701/s 0.6701/s 0.6701/s WATER FLOW RATE 0.4701/s 0.4701/s WATER FLOW RATE 0.4701/s 0.4701/s WATER FLOW RATE 0.6821/s 0.6821/s WATER | 230-1-50 230-1-50 230-1-50 230-1-50 230-1-50 230-1-50 230-1-50 230-1-50 230-1-50 230-1-50 230-1-50 230-1-50 230-1-50 230-1-50 230-1-50 230-1-50 | STARTING CURRENT 5.40A STARTING CURRENT 5.40A STARTING CURRENT 5.40A | FULLLOAD CURRENT 1.70A FULLLOAD CURRENT 1.70A FULLLOAD CURRENT 1.80A | UNIT WEIGHT 72 kg UNIT WEIGHT 74 kg | NR NR57 NR55 NR53 NR49 GUIDE NR NN60 NR56 NR50 NR37 GUIDE NR NR60 NR56 NR50 NR37 | dBA 60dBA 59dBA 57dBA 57dBA 63dBA 63dBA 63dBA 53dBA 41dBA 63dBA 59dBA 63dBA 41dBA 63dBA 63dBA 63dBA 63dBA 63dBA 63dBA | PIPE SIZE 28mm 0.D. PIPE SIZE 28mm 0.D. PIPE SIZE 28mm 0.D. |
| LOW 11.60 kW 270l/s 20 °C 55 °C 82 °C 11.3 kpa 0.483l/s 230-1-50 NR33 37dBA | Super Capacity MODEL 1800W Standard Capacity MODEL 1800W High Capacity MODEL 2000W | HIGH MED LOW SPEED BOOST | 30.10 kW 27.50 kW 23.10 kW 18.20 kW DUTY 21.00 kW 19.20 kW 16.40 kW 12.30 kW DUTY 30.70 kW 28.00 kW 23.70 kW 16.40 kW DUTY 21.70 kW | VOLUME 6501/s 5701/s 4501/s 3301/s AIR VOLUME 6501/s 5701/s 4501/s 3001/s AIR VOLUME 6501/s 5701/s 4501/s 4501/s 2701/s AIR VOLUME 7501/s | 0N 20 °C 4IR 0N 20 °C | 0FF 58 °C 60 °C 62 °C 66 °C AIR 0FF 47 °C 48 °C 50 °C 53 °C AIR 0FF 58 °C 60 °C 63 °C 69 °C AIR 0FF 44 °C | Section | PRES. DROP 28.0 kpa 28.0 kpa 28.0 kpa 28.0 kpa WATER PRES. DROP 11.8 kpa 11.8 kpa 11.8 kpa 11.5 kpa 13.5 kpa | FLOWRATE 0.670I/S 0.670I/S 0.670I/S 0.670I/S WATER FLOWRATE 0.470I/S 0.470I/S 0.470I/S 0.470I/S WATER FLOWRATE 0.682I/S 0.682I/S 0.682I/S 0.682I/S 0.483I/S | \$\begin{array}{c} \text{SUPPLY} \\ 230-1-50 \\ 230-1-50 \\ \text{230-1-50} \\ 230-1 | STARTING CURRENT 5.40A STARTING CURRENT 5.40A STARTING CURRENT 5.40A | FULLLOAD CURRENT 1.70A FULLLOAD CURRENT 1.70A FULLLOAD CURRENT 1.80A | UNIT WEIGHT 72 kg UNIT WEIGHT 74 kg UNIT WEIGHT | NR NR57 NR55 NR53 NR49 GUIDE NR NN60 NR56 NR50 NR37 GUIDE NR NR60 NR56 NR50 NR37 GUIDE NR NR50 NR37 | dBA 60dBA 59dBA 57dBA 57dBA 63dBA 63dBA 53dBA 41dBA 63dBA 53dBA 41dBA 63dBA | PIPE SIZE 28mm 0.D. PIPE SIZE 28mm 0.D. PIPE SIZE 28mm 0.D. |
| MODEL SPEED DUTY AIR VOLUME AIR OFF WATER FLOW TEMP WATER PRES. DROP FLOW RATE SUPPLY WATER SUPPLY STARTING CURRENT FULL LOAD CURRENT UNIT WEIGHT GUIDE NR GUIDE MBA PIPE SIZE 2000W BOOST 34.00 kW 720/s 20 °C 58 °C 82 °C 15.3 kpa 0.700l/s 230-1-50 6.00A 2.00A 74 kg NR59 62dBA 28mm 0.D. High HIGH 30.25 kW 610l/s 20 °C 60 °C 82 °C 15.3 kpa 0.700l/s 230-1-50 NR55 58dBA Capacity MED 25.15 kW 470l/s 20 °C 63 °C 82 °C 15.3 kpa 0.700l/s 230-1-50 NR49 52dBA | Super Capacity MODEL 1800W Standard Capacity MODEL 1800W High Capacity MODEL 2000W Standard | HIGH MED LOW SPEED BOOST HIGH MED LOW SPEED | 30.10 kW 27.50 kW 23.10 kW 18.20 kW DUTY 21.00 kW 19.20 kW 16.40 kW 12.30 kW 23.70 kW 28.00 kW 23.70 kW 21.70 kW 21.70 kW | VOLUME 6501/s 5701/s 4501/s 3301/s AIR VOLUME 6501/s 5701/s 4501/s 3001/s 4501/s 5701/s 4501/s 2701/s AIR VOLUME 6501/s 6501/s 6351/s | 0N 20 °C | 0FF 58 °C 60 °C 62 °C 66 °C AIR 0FF 47 °C 48 °C 53 °C AIR 0FF 58 °C 60 °C 63 °C 69 °C AIR 0FF 44 °C 44 °C 45 °C | ### REPLANT COMPANY CO | PRES. DROP 28.0 kpa 28.0 kpa 28.0 kpa 28.0 kpa WATER PRES. DROP 11.8 kpa 11.8 kpa 11.8 kpa 11.5 kpa 13.5 kpa | FLOW RATE 0.6701/s 0.6701/s 0.6701/s WATER FLOW RATE 0.4701/s 0.4701/s 0.4701/s WATER FLOW RATE 0.6821/s 0.6821/s 0.6821/s 0.4831/s 0.4831/s | \$\begin{array}{c} \text{SUPPLY} \\ 230-1-50 \\ 230-1-50 \\ \text{230-1-50} \\ 230-1 | STARTING CURRENT 5.40A STARTING CURRENT 5.40A STARTING CURRENT 5.40A | FULLLOAD CURRENT 1.70A FULLLOAD CURRENT 1.70A FULLLOAD CURRENT 1.80A | UNIT WEIGHT 72 kg UNIT WEIGHT 74 kg UNIT WEIGHT | NR NR57 NR55 NR53 NR49 GUIDE NR NN60 NR56 NR50 NR37 GUIDE NR NR60 NR56 NR50 NR57 GUIDE NR NR60 NR56 NR50 NR57 | dBA 60dBA 59dBA 57dBA 53dBA GUIDE dBA 63dBA 53dBA 41dBA 63dBA 41dBA 63dBA 41dBA 63dBA 63dBA 63dBA 63dBA 63dBA 63dBA 59dBA 63dBA 59dBA 53dBA 41dBA 63dBA 53dBA 41dBA | PIPE SIZE 28mm 0.D. PIPE SIZE 28mm 0.D. PIPE SIZE 28mm 0.D. |
| VOLUME ON OFF FLOW TEMP. PRES. DROP FLOW RATE SUPPLY CURRENT CURRENT WEIGHT NR dBA SIZE | Super Capacity MODEL 1800W Standard Capacity MODEL 1800W High Capacity MODEL 2000W Standard | HIGH MED LOW SPEED BOOST HIGH MED LOW | 30.10 kW 27.50 kW 27.50 kW 18.20 kW 18.20 kW 19.20 kW 19.20 kW 10.40 kW 23.70 kW 28.00 kW 23.70 kW 16.40 kW 21.70 kW 16.40 kW 21.70 kW 16.40 kW 21.70 kW | VOLUME 650l/s 570l/s 450l/s 330l/s AIR VOLUME 650l/s 570l/s 450l/s 300l/s AIR VOLUME 650l/s 270l/s 450l/s 450l/s 570l/s 450l/s 570l/s 450l/s 570l/s 450l/s 570l/s 635l/s 500l/s | ON 20 °C | 0FF 58 °C 60 °C 62 °C 66 °C AIR 0FF 47 °C 48 °C 50 °C 53 °C AIR 0FF 58 °C 60 °C 63 °C 63 °C 44 °C 44 °C 44 °C 45 °C 47 °C | Section | PRES. DROP 28.0 kpa 28.0 kpa 28.0 kpa 28.0 kpa 28.0 kpa 11.8 kpa 11.8 kpa 11.8 kpa 11.8 kpa 13.5 kpa | FLOW RATE 0.6701/s 0.6701/s 0.6701/s 0.6701/s 0.6701/s 0.4701/s 0.4701/s 0.4701/s 0.4701/s 0.6821/s 0.6821/s 0.6821/s 0.6821/s 0.6821/s 0.6821/s 0.6821/s 0.4831/s 0.4831/s 0.4831/s | SUPPLY 230-1-50 | STARTING CURRENT 5.40A STARTING CURRENT 5.40A STARTING CURRENT 5.40A | FULLLOAD CURRENT 1.70A FULLLOAD CURRENT 1.70A FULLLOAD CURRENT 1.80A | UNIT WEIGHT 72 kg UNIT WEIGHT 74 kg UNIT WEIGHT | NR NR57 NR55 NR55 NR53 NR49 GUIDE NR NN60 NR56 NR50 NR37 GUIDE NR NR60 NR56 NR57 NR59 NR59 NR59 | dBA 60dBA 59dBA 57dBA 53dBA 63dBA 63dBA 59dBA 63dBA 41dBA 63dBA 63dBA 41dBA 63dBA 63dBA 63dBA 63dBA 63dBA 59dBA 63dBA 59dBA 53dBA 63dBA 59dBA 53dBA | PIPE SIZE 28mm 0.D. PIPE SIZE 28mm 0.D. PIPE SIZE 28mm 0.D. |
| 2000W B00ST 34.00 kW 720l/s 20 °C 58 °C 82 °C 15.3 kpa 0.700l/s 230-1-50 6.00A 2.00A 74 kg NR59 62dBA 28mm 0.D. High HIGH 30.25 kW 610l/s 20 °C 60 °C 82 °C 15.3 kpa 0.700l/s 230-1-50 NR55 58dBA Capacity MED 25.15 kW 470l/s 20 °C 63 °C 82 °C 15.3 kpa 0.700l/s 230-1-50 NR49 52dBA | Super Capacity MODEL 1800W Standard Capacity MODEL 1800W High Capacity MODEL 2000W Standard Capacity | HIGH MED LOW SPEED BOOST HIGH MED LOW | 30.10 kW 27.50 kW 27.50 kW 18.20 kW 18.20 kW 19.20 kW 19.20 kW 16.40 kW 12.30 kW 23.70 kW 23.70 kW 23.70 kW 21.70 kW 21.70 kW 16.40 kW | VOLUME 6501/s 5701/s 4501/s 3301/s AIR VOLUME 6501/s 5701/s 4501/s 3001/s 4501/s 5701/s 4501/s 5701/s 4501/s 5701/s 4501/s 5701/s 4501/s 2701/s 2701/s 2701/s 6351/s 5001/s | ON 20 °C | 0FF 58 °C 60 °C 62 °C 66 °C AIR 0FF 47 °C 48 °C 53 °C AIR 0FF 58 °C 60 °C 63 °C 69 °C AIR 0FF 44 °C 45 °C 45 °C 45 °C 45 °C 45 °C 45 °C | Section | PRES. DROP 28.0 kpa 28.0 kpa 28.0 kpa 28.0 kpa WATER PRES. DROP 11.8 kpa 11.8 kpa 11.8 kpa 13.5 kpa 13.5 kpa 13.5 kpa WATER PRES. DROP 13.5 kpa | FLOW RATE 0.6701/s 0.6701/s 0.6701/s 0.6701/s WATER FLOW RATE 0.4701/s 0.4701/s 0.4701/s WATER FLOW RATE 0.6821/s 0.6821/s WATER FLOW RATE 0.4831/s 0.4831/s | \$\begin{array}{c} \text{SUPPLY} \\ 230-1-50 \\ 230-1-5 | STARTING CURRENT 5.40A STARTING CURRENT 5.40A STARTING CURRENT 6.00A | FULLLOAD CURRENT 1.70A FULLLOAD CURRENT 1.70A FULLLOAD CURRENT 2.00A | UNIT WEIGHT 72 kg UNIT WEIGHT 74 kg UNIT WEIGHT 74 kg | NR NR57 NR55 NR53 NR49 GUIDE NR NN60 NR56 NR50 NR37 GUIDE NR NR60 NR56 NR50 NR37 GUIDE NR NR60 NR55 NR49 NR33 | dBA 60dBA 59dBA 57dBA 57dBA 63dBA 63dBA 63dBA 53dBA 41dBA 63dBA 59dBA 63dBA 41dBA 63dBA 63dBA 59dBA 53dBA 41dBA 53dBA 41dBA 53dBA 41dBA 53dBA 41dBA 53dBA 41dBA | PIPE SIZE 28mm 0.D. PIPE SIZE 28mm 0.D. PIPE SIZE 28mm 0.D. |
| High HIGH 30.25 kW 610l/s 20 °C 60 °C 82 °C 15.3 kpa 0.700l/s 230-1-50 NR55 58dBA Capacity MED 25.15 kW 470l/s 20 °C 63 °C 82 °C 15.3 kpa 0.700l/s 230-1-50 NR49 52dBA | Super Capacity MODEL 1800W Standard Capacity MODEL 1800W High Capacity MODEL 2000W Standard Capacity | HIGH MED LOW SPEED BOOST HIGH MED LOW | 30.10 kW 27.50 kW 27.50 kW 18.20 kW 18.20 kW 19.20 kW 19.20 kW 16.40 kW 12.30 kW 23.70 kW 23.70 kW 23.70 kW 21.70 kW 21.70 kW 16.40 kW | VOLUME 6501/s 5701/s 4501/s 3301/s AIR VOLUME 6501/s 5701/s 4501/s 3001/s AIR VOLUME 6501/s 5701/s 4501/s 5701/s 4501/s 5701/s 4501/s 2701/s AIR VOLUME 7501/s 6351/s 5001/s AIR | ON 20 °C 21 °C 21 °C 22 °C 21 °C 22 °C 23 °C 24 °C 25 °C 26 °C 27 °C 28 °C 29 °C 20 °C | 0FF 58 °C 60 °C 62 °C 66 °C AIR 0FF 47 °C 48 °C 50 °C 53 °C AIR 0FF 58 °C 60 °C 63 °C 69 °C AIR 0FF 44 °C 45 °C 47 °C 45 °C 47 °C 55 °C AIR | Section | PRES. DROP 28.0 kpa 28.0 kpa 28.0 kpa 28.0 kpa 28.0 kpa WATER PRES. DROP 11.8 kpa 11.8 kpa 11.8 kpa 13.5 kpa WATER PRES. DROP 11.3 kpa 11.3 kpa 11.3 kpa WATER | FLOW RATE 0.6701/s 0.6701/s 0.6701/s 0.6701/s 0.4701/s 0.4701/s 0.4701/s 0.4701/s WATER FLOW RATE 0.6821/s 0.6821/s 0.6821/s WATER FLOW RATE 0.4831/s 0.4831/s 0.4831/s WATER | SUPPLY 230-1-50 | STARTING CURRENT 5.40A STARTING CURRENT 5.40A STARTING CURRENT 6.40A STARTING CURRENT 5.40A | FULLLOAD CURRENT 1.70A FULLLOAD CURRENT 1.70A FULLLOAD CURRENT 1.80A FULLLOAD FULLLOAD FULLLOAD FULLLOAD FULLLOAD FULLLOAD FULLLOAD FULLLOAD | UNIT WEIGHT 72 kg UNIT WEIGHT 74 kg UNIT WEIGHT 74 kg UNIT WEIGHT 72 kg | NR NR57 NR55 NR53 NR49 GUIDE NR NN60 NR56 NR50 NR37 GUIDE NR NR60 NR56 NR50 NR37 GUIDE NR NR60 NR55 NR49 NR33 GUIDE | dBA 60dBA 59dBA 59dBA 57dBA 53dBA 63dBA 63dBA 53dBA 41dBA 63dBA 53dBA 41dBA 63dBA 59dBA 53dBA 41dBA 53dBA 41dBA 53dBA 41dBA 62dBA 58dBA 58dBA 58dBA 58dBA 62dBA 58dBA 58dBA | PIPE SIZE 28mm 0.D. PIPE SIZE 28mm 0.D. PIPE SIZE 28mm 0.D. |
| | Super Capacity MODEL 1800W Standard Capacity MODEL 1800W High Capacity MODEL 2000W Standard Capacity MODEL | HIGH MED LOW SPEED BOOST HIGH MED LOW SPEED | 30.10 kW 27.50 kW 27.50 kW 18.20 kW 18.20 kW 19.20 kW 19.20 kW 16.40 kW 12.30 kW 23.70 kW 23.70 kW 23.70 kW 21.70 kW 21.70 kW 16.40 kW 16.40 kW | VOLUME 6501/s 5701/s 4501/s 3301/s AIR VOLUME 6501/s 5701/s 4501/s 3001/s AIR VOLUME 6501/s 5701/s 4501/s 5701/s 4501/s 5701/s 4501/s 2701/s AIR VOLUME 7501/s 6351/s 5001/s AIR VOLUME 7501/s 4301/s 4301/s | ON 20 °C 20 °C 20 °C 20 °C 20 °C AIR ON 20 °C AIR ON 20 °C 20 °C AIR ON 20 °C 20 °C AIR ON 20 °C | 0FF 58 °C 60 °C 62 °C 66 °C AIR 0FF 47 °C 48 °C 50 °C 53 °C AIR 0FF 58 °C 60 °C 63 °C 69 °C AIR 0FF 44 °C 45 °C 45 °C 47 °C 47 °C 55 °C AIR 0FF | Section | PRES. DROP 28.0 kpa 28.0 kpa 28.0 kpa 28.0 kpa 28.0 kpa WATER PRES. DROP 11.8 kpa 11.8 kpa 11.8 kpa 13.5 kpa WATER PRES. DROP 11.3 kpa 11.3 kpa 11.3 kpa 11.3 kpa 11.3 kpa | FLOW RATE 0.6701/s 0.6701/s 0.6701/s 0.6701/s 0.6701/s WATER FLOW RATE 0.4701/s 0.4701/s 0.4701/s WATER FLOW RATE 0.6821/s 0.6821/s WATER FLOW RATE 0.4831/s 0.4831/s 0.4831/s WATER FLOW RATE FLOW RATE FLOW RATE O.4831/s | SUPPLY 230-1-50 | STARTING CURRENT 5.40A STARTING CURRENT 5.40A STARTING CURRENT 6.00A | FULLLOAD CURRENT 1.70A FULLLOAD CURRENT 1.70A FULLLOAD CURRENT 2.00A | UNIT WEIGHT 72 kg UNIT WEIGHT 74 kg UNIT WEIGHT 72 kg | NR NR57 NR55 NR53 NR49 GUIDE NR NN60 NR56 NR50 NR37 GUIDE NR NR60 NR56 NR50 NR37 GUIDE NR NR60 NR55 NR49 NR33 GUIDE NR | dBA 60dBA 59dBA 57dBA 57dBA 63dBA 63dBA 59dBA 63dBA 59dBA 53dBA 41dBA 63dBA 59dBA 63dBA 63dBA 59dBA 53dBA 41dBA 59dBA 53dBA 41dBA 63dBA 59dBA 53dBA 62dBA 58dBA 52dBA 37dBA 62dBA | PIPE SIZE 28mm 0.D. PIPE SIZE 28mm 0.D. PIPE SIZE 28mm 0.D. |
| LOW 15.45 kW 240l/s 20 °C 72 °C 82 °C 15.3 kpa 0.700l/s 230-1-50 NR33 37dBA | Super Capacity MODEL 1800W Standard Capacity MODEL 1800W High Capacity MODEL 2000W Standard Capacity | HIGH MED LOW SPEED BOOST HIGH MED LOW | 30.10 kW 27.50 kW 27.50 kW 18.20 kW 18.20 kW 19.20 kW 19.20 kW 16.40 kW 12.30 kW 28.00 kW 23.70 kW 21.70 kW 16.40 kW 16.40 kW 16.40 kW 16.40 kW 17.00 kW 18.20 kW 19.60 kW 19.60 kW 11.60 kW 11.60 kW 34.00 kW | VOLUME 6501/s 5701/s 4501/s 3301/s AIR VOLUME 6501/s 5701/s 4501/s 3001/s AIR VOLUME 6501/s 5701/s 4501/s 5701/s 4501/s 2701/s AIR VOLUME 7501/s 4301/s AIR VOLUME 7501/s 4301/s 4301/s | ON 20 °C | 0FF 58 °C 60 °C 62 °C 66 °C AIR 0FF 47 °C 48 °C 53 °C AIR 0FF 58 °C 60 °C 63 °C 69 °C AIR 0FF 44 °C 45 °C 47 °C 45 °C 47 °C 55 °C AIR 0FF 58 °C | SEC | PRES. DROP 28.0 kpa 28.0 kpa 28.0 kpa 28.0 kpa 28.0 kpa WATER PRES. DROP 11.8 kpa 11.8 kpa 11.8 kpa 13.5 kpa WATER PRES. DROP 11.3 kpa | FLOW RATE 0.6701/s 0.6701/s 0.6701/s 0.6701/s WATER FLOW RATE 0.4701/s 0.4701/s 0.4701/s WATER FLOW RATE 0.6821/s 0.6821/s 0.6821/s WATER FLOW RATE 0.4831/s 0.4831/s 0.4831/s 0.4831/s WATER FLOW RATE 0.7001/s | SUPPLY 230-1-50 | STARTING CURRENT 5.40A STARTING CURRENT 5.40A STARTING CURRENT 6.00A | FULLLOAD CURRENT 1.70A FULLLOAD CURRENT 1.70A FULLLOAD CURRENT 2.00A | UNIT WEIGHT 72 kg UNIT WEIGHT 74 kg UNIT WEIGHT 72 kg | NR NR57 NR55 NR53 NR49 GUIDE NR NN60 NR56 NR50 NR37 GUIDE NR NR60 NR56 NR50 NR37 GUIDE NR NR50 NR37 GUIDE NR NR59 NR55 NR49 NR33 GUIDE NR NR59 | dBA 60dBA 59dBA 57dBA 57dBA 63dBA 63dBA 53dBA 41dBA 63dBA 53dBA 41dBA 63dBA 53dBA 41dBA 63dBA 53dBA 41dBA 59dBA 53dBA 41dBA 63dBA 53dBA 41dBA 62dBA 52dBA 37dBA 62dBA 62dBA 62dBA | PIPE SIZE 28mm 0.D. PIPE SIZE 28mm 0.D. PIPE SIZE 28mm 0.D. |
| | Super Capacity MODEL 1800W Standard Capacity MODEL 1800W High Capacity MODEL 2000W Standard Capacity MODEL | HIGH MED LOW SPEED BOOST HIGH MED LOW SPEED | 30.10 kW 27.50 kW 21.10 kW 18.20 kW 18.20 kW 19.20 kW 19.20 kW 12.30 kW 28.00 kW 23.70 kW 21.70 kW 21.70 kW 21.70 kW 11.60 kW 11.60 kW 11.60 kW 31.60 kW 31.60 kW | VOLUME 6501/s 5701/s 4501/s 3301/s AIR VOLUME 6501/s 5701/s 4501/s 3001/s 4501/s 2701/s 4501/s 2701/s 4501/s 2701/s 4501/s 2701/s 4501/s 2701/s 4501/s 6351/s 5001/s 2701/s 41R VOLUME 7501/s 41R VOLUME 7501/s 6101/s 6101/s | ON 20 °C | 0FF 58 °C 60 °C 62 °C 66 °C AIR 0FF 47 °C 48 °C 50 °C 53 °C AIR 0FF 58 °C 60 °C 44 °C 45 °C 47 °C 45 °C 47 °C 45 °C 47 °C 55 °C AIR 0FF 58 °C 60 °C 60 °C 60 °C 60 °C 60 °C 60 °C | Second | PRES. DROP 28.0 kpa 28.0 kpa 28.0 kpa 28.0 kpa 28.0 kpa WATER PRES. DROP 11.8 kpa 11.8 kpa 11.8 kpa 11.5 kpa 13.5 kpa | FLOW RATE 0.6701/s 0.6701/s 0.6701/s 0.6701/s WATER FLOW RATE 0.4701/s 0.4701/s 0.4701/s 0.4701/s 0.6821/s 0.6821/s 0.6821/s 0.6821/s 0.4831/s 0.4831/s 0.4831/s 0.4831/s 0.4831/s 0.7001/s | \$\begin{array}{c} \text{SUPPLY} \\ 230-1-50 \\ 230-1-5 | STARTING CURRENT 5.40A STARTING CURRENT 5.40A STARTING CURRENT 6.00A | FULLLOAD CURRENT 1.70A FULLLOAD CURRENT 1.70A FULLLOAD CURRENT 2.00A | UNIT WEIGHT 72 kg UNIT WEIGHT 74 kg UNIT WEIGHT 72 kg | NR NR57 NR55 NR53 NR49 GUIDE NR NN60 NR56 NR50 NR37 GUIDE NR NR60 NR56 NR50 NR37 GUIDE NR NR59 NR55 NR49 NR33 GUIDE NR NR59 NR59 NR55 | dBA 60dBA 59dBA 57dBA 57dBA 63dBA 63dBA 59dBA 63dBA 41dBA 63dBA 41dBA 63dBA 59dBA 53dBA 41dBA 63dBA 59dBA 53dBA 41dBA 62dBA 52dBA 37dBA 62dBA 52dBA 37dBA | PIPE SIZE 28mm 0.D. PIPE SIZE 28mm 0.D. PIPE SIZE 28mm 0.D. |

1200 & 1500 UNITS HAVE 3 FANS. 2000 UNITS HAVE 4 FANS.







STANDARD AND HI-CAPACITY UNITS

| | | DIMENSION | | | | | | | | | | |
|------|------|-----------|------|------|------|------|-----|-----|----|----|--|--|
| SIZE | A | В | C | D | Ε | F | G | H | J | K | | |
| 1000 | 1000 | 880 | 440 | 980 | 990 | 1010 | 243 | 255 | 50 | 70 | | |
| 1500 | 1500 | 1380 | 840 | 1480 | 1490 | 1510 | 243 | 255 | 50 | 70 | | |
| 1800 | 1800 | 1680 | 1240 | 1780 | 1790 | 1810 | 243 | 255 | 50 | 70 | | |
| 2000 | 2000 | 1880 | 1440 | 1980 | 1990 | 2010 | 243 | 255 | 50 | 70 | | |

SUPER CAPACITY UNITS

| | | DIMENSION | | | | | | | | | | |
|------|------|-----------|-----|------|------|------|-----|-----|-----|-----|--|--|
| SIZE | A | В | C | D | E | F | G | H | J | K | | |
| 1200 | 1200 | 1080 | 640 | 1180 | 1190 | 1210 | 298 | 310 | 100 | 170 | | |
| 1500 | 1500 | 1380 | 840 | 1480 | 1490 | 1510 | 298 | 310 | 100 | 70 | | |

NOTES

- 1. SIZE 2000 UNITS HAVE 6 GRILLE FIXINGS
- 2. DIM'N. B & C ARE ALTERNATIVE FIXING CTS.

Established in 1960,
Diffusion has over 40 years
experience in producing
environmental solutions
via the manufacture of heating,
air conditioning and
ventilating products.



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Diffusion Environmental Systems have a policy of continuous development. We therefore reserve the right to alter information contained in this leaflet, without prior notice.

