



# Technical Data Sheet

Code

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## PRODUCT SPECIFICATIONS

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date

draft

revision

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issue

Model **BLADE 22 LX**

|                                 |                  |                  |          |
|---------------------------------|------------------|------------------|----------|
| Description                     | Air Centre unit  |                  |          |
| Arrangement                     | Silenced         |                  |          |
| Series                          | BLADE            | STANDARD PRODUCT |          |
| Air End frame                   | M 111            |                  |          |
| Version                         | n.a.             |                  |          |
| OIL cooling medium              | Air              |                  |          |
| AIR cooling medium              | Air              |                  |          |
| Modulation                      | Yes              |                  |          |
| Decompression                   | Yes              |                  |          |
| Receiver                        | n.a.             |                  |          |
| Inlet nominal pressure          | ISO 1217         | psi (a)          | 14.5     |
| Inlet nominal temperature       | ISO 1217         | °F               | 68       |
| Relative humidity               | ISO 1217         | %                | 0        |
| Motor nominal speed             | ISO 1217         | rpm              | 1800     |
| Nominal working pressure        |                  | psi (g)          | 109 (LX) |
| Maximum working pressure        |                  | psi (g)          | 116      |
| Nominal delivery                | (1)              | cfm              | 126.0    |
| Terminals absorbed power        | (2) (6)          | kW               | 26.0     |
| Terminals unload absorbed power |                  | Kw               | 5.64     |
| Noise level (max)               | ISO 2151 - @1 mt | dBA              | 67       |
| Oil carry over                  |                  | ppm              | 3        |
| Total heat recovery (up to ...) |                  | %                | 95       |
| Oil circuit capacity            |                  | gallons          | 3        |

### PERFORMANCES

| psi (g) | 70    |       | 85     |       | 100    |       | 115 |    | 125 |    | 140 |    | 155 |    | 170 |    |
|---------|-------|-------|--------|-------|--------|-------|-----|----|-----|----|-----|----|-----|----|-----|----|
|         | cfm   | kW    | cfm    | kW    | cfm    | kW    | cfm | kW | cfm | kW | cfm | kW | cfm | kW | cfm | kW |
|         | 128.9 | 31.04 | 127.84 | 24.00 | 126.78 | 25.16 | -   | -  | -   | -  | -   | -  | -   | -  | -   | -  |

### ELECTRICAL CHARACTERISTICS

|  |             |                                     |
|--|-------------|-------------------------------------|
| Electric certification                 | -           | CSA-UL                              |
| Starting type                          | -           | Star-Delta                          |
| Voltage -- Frequency -- Phases         | V / Hz / Ph | 208/60/3 230/60/3 460/60/3 575/60/3 |
| Auxiliary circuit tension              | V           | 110 110 110 110                     |
| Nominal absorbed current               | (6)         | 86.9 78.6 39.3 31.4                 |
| Minimum supply cables section (33 ft.) | AWG         | 4 4 10 10                           |

### MAIN MOTOR

|                     |         |         |
|---------------------|---------|---------|
| Nominal power input | kW / HP | 22 / 30 |
| Efficiency class    | -       | IE3     |
| Efficiency          | %       | 92.6    |
| Poles               | -       | 4       |
| Protection index    | IP      | 55      |
| Insulation class    | -       | F       |

### COOLING

|                                  |            |        |
|----------------------------------|------------|--------|
| Maximum ambient temperature      | °F         | 104    |
| Minimum ambient temperature      | °F         | 34     |
| Outlet AIR temperature           | (5) °F     | < 86   |
| OIL maximum temperature          | °F         | 248    |
| OIL minimum temperature          | °F         | 176    |
| Fan type                         | -          | Radial |
| Cooling AIR flow (minimum)       | (3) cfm    | -      |
| Cooling AIR flow (maximum)       | (4) cfm    | 6828   |
| Heat Removal Oil and Aftercooler | (4) Btu/hr | 88738  |
| Fan residual head (minimum)      | (3) Pa     | -      |
| Fan residual head (maximum)      | (4) Pa     | 20     |
| Fan absorbed power (minimum)     | (3) kW     | -      |
| Fan absorbed power (maximum)     | (4) kW     | 0.52   |
| WATER flow                       | gpm        | -      |
| Water INLET temperature          | °F         | -      |
| Water OUTLET maximum temperature | °F         | -      |
| Water minimum suggested pressure | psi (g)    | -      |
| Thermal recoverable power        | Kcal       | -      |

### DRYER

|                                      |             |   |
|--------------------------------------|-------------|---|
| Refrigerant gas                      | -           | - |
| Dew point (pressure)                 | °F          | - |
| Absorbed power                       | kW          | - |
| Regeneration air percentage          | %           | - |
| Supply: Voltage - frequency - phases | V / Hz / Ph | - |

### DIMENSIONS

|                                       |         |              |
|---------------------------------------|---------|--------------|
| AIR outlet connection                 | -       | Rp 1"        |
| Condensate separator drain connection | -       | Rp 1"        |
| Condensate drain connection           | -       | 10 mm (male) |
| Condensate DRYER drain connection     | -       | -            |
| Receiver condensate drain connection  | -       | -            |
| INLET-OUTLET water connections        | -       | -            |
| Storage AIR receiver volume           | gallons | n.a.         |
| Width                                 | inch    | 30           |
| Length                                | inch    | 57           |
| Height                                | inch    | 52           |
| Weight                                | lbs     | 1279         |

### NOTES

- ( 1 ) - According to ISO 1217 - Annex C (fixed speed) & Annex E (variable speed)
- ( 2 ) - Fan included (@ first speed if available) - Dryer input power excluded
- ( 3 ) - Fan @ lower speed (OPTIMA @ min speed)
- ( 4 ) - Fan @ faster speed (Optima : fan @50Hz)
- ( 5 ) - @ reference conditions
- ( 6 ) - OPTIMA @ 1500 rpm and 102 psi