



Technical Data Sheet

Code

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PRODUCT SPECIFICATIONS

Model **BLADE 18 HX**

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)	137 (HX)
Maximum working pressure		psi (g)	145
Nominal delivery	(1)	cfm	92.0
Terminals absorbed power	(2) (6)	kW	22.0
Terminals unload absorbed power		Kw	4.68
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
	-	-	94.29	18.06	93.58	18.93	92.88	20.19	92.17	21.47	-	-	-	-	-	-

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) A	73.4	66.4	33.2	26.6
Minimum supply cables section (33 ft.)	AWG	6	6	10	10

MAIN MOTOR

Nominal power input	kW / HP	18 / 25
Efficiency class	-	IE3
Efficiency	%	92.1
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	74984
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	1268

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