



Technical Data Sheet

Code **GEAL3S3BAA-1PDUP-ASE**

Ing. Enea Mattei S.p.A.

PRODUCT SPECIFICATIONS

6/8/18

date

draft

revision

4/12/18

issue

Model **BLADE 5s HXTM-DUP**

Description	WorkShop unit - Duplex		
Arrangement	Silenced		
Series	BLADE	STANDARD PRODUCT	
Air End frame	M 75		
Version	n.a.		
OIL cooling medium	Air		
AIR cooling medium	Air		
Modulation	Yes		
Decompression	Yes		
Receiver	ASME		
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	3600
Nominal working pressure		psi (g)	143 (HX)
Maximum working pressure		psi (g)	150
Nominal delivery	(1)	cfm	26.8 (x2)
Terminals absorbed power	(2) (6)	kW	6.5 (x2)
Terminals unload absorbed power		Kw	1.85 (x2)
Noise level (max)	ISO 2151 - @1 mt	dBA	62
Oil carry over		ppm	3
Total heat recovery (up to ...)		%	95
Oil circuit capacity		gallons	1 (x2)

PERFORMANCES (x2)

psi (g)	73		87		100		116		125		150		160		175	
	cfm	kW	cfm	kW	cfm	kW	cfm	kW	cfm	kW	cfm	kW	cfm	kW	cfm	kW
	27.49	5.38	27.28	5.65	27.08	5.92	26.89	6.30	26.80	6.50	-	-	-	-	-	-

ELECTRICAL CHARACTERISTICS (x2)

Electric certification	-	CEI
Starting type	-	Full-Voltage
Voltage -- Frequency -- Phases	V / Hz / Ph	230/60/1
Auxiliary circuit tension	V	110
Nominal absorbed current	(6) A	32.0
Minimum supply cables section (33 ft.)	AWG	10

MAIN MOTOR (x2)

Nominal power input	kW / HP	5 / 7.5 (x2)
Efficiency class	-	NEMA T
Efficiency	%	82
Poles	-	2
Protection index	IP	55
Insulation class	-	F

COOLING

Maximum ambient temperature	°F	104
Minimum ambient temperature	°F	34
Outlet AIR temperature	(5) °F	< 95
OIL maximum temperature	°F	248
OIL minimum temperature	°F	176
Fan type	-	Axial
Cooling AIR flow (minimum)	(3) cfm	-
Cooling AIR flow (maximum)	(4) cfm	1001 (x2)
Heat Removal Oil and Aftercooler	(4) Btu/hr	44369
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	0.14
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	-	-
Condensate drain connection	-	10 mm (Male) (x2)
Condensate DRYER drain connection	-	-
Receiver condensate drain connection	-	Manual (Rp 3/8")
INLET-OUTLET water connections	-	-
Storage AIR receiver volume	gallons	120
Width	inch	45.0
Length	inch	70.0
Height	inch	60.0
Weight	lbs	1466

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