

		Technical Data Sheet		Code										
				GEAL1S3BAA-ASE										
Ing. Enea Mattei S.p.A.		PRODUCT SPECIFICATIONS		6/8/18										
				date										
				draft										
				4/12/18										
				revision										
				issue										
Model				BLADE 4 HX										
Description	WorkShop unit													
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	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)	143 (HX)											
Maximum working pressure		psi (g)	150											
Nominal delivery	(1)	cfm	17.6											
Terminals absorbed power	(2) (6)	kW	4.30											
Terminals unload absorbed power		Kw	1.30											
Noise level (max)	ISO 2151 - @1 mt	dBA	61											
Oil carry over		ppm	3											
Total heat recovery (up to ...)		%	95											
Oil circuit capacity		gallons	1											
PERFORMANCES														
psi (g)	73	87	100	116	125	150	160	175						
	cfm	kW	cfm	kW	cfm	kW	cfm	kW						
	-	-	17.92	3.75	17.79	3.92	17.66	4.17						
					17.60	4.30								
OPTIMA PERFORMANCES														
bar (g)		rpm	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	rpm
102	Flow rate	cfm	-	-	-	-	-	-	-	-	-	-	-	Delivery
	Power	kW	-	-	-	-	-	-	-	-	-	-	-	Absorbed power
116	Flow rate	cfm	-	-	-	-	-	-	-	-	-	-	-	Delivery
	Power	kW	-	-	-	-	-	-	-	-	-	-	-	Absorbed power
131	Flow rate	cfm	-	-	-	-	-	-	-	-	-	-	-	Delivery
	Power	kW	-	-	-	-	-	-	-	-	-	-	-	Absorbed power
145	Flow rate	cfm	-	-	-	-	-	-	-	-	-	-	-	Delivery
	Power	kW	-	-	-	-	-	-	-	-	-	-	-	Absorbed power
ELECTRICAL CHARACTERISTICS														
Electric certification						CEI								
Starting type						Full-Voltage								
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	15.3	13.8	6.9	5.5				
Minimum supply cables section (33 ft.)						AWG	10	10	10	10				
MAIN MOTOR														
Nominal power input						kW / HP	4 / 5							
Efficiency class							NEMA T							
Efficiency						%	89.5							
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	< 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							
Heat Removal Oil and Aftercooler	(4)					Btu/hr	14676							
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 3/4"							
Condensate separator drain connection							Rp 1/2"							
Condensate drain connection							-							
Condensate DRYER drain connection							-							
Receiver condensate drain connection							-							
INLET-OUTLET water connections							-							
Storage AIR receiver volume						gallons	n.a.							
Width						inch	29							
Length						inch	37							
Height						inch	31							
Weight						lbs	451							
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														