

		<b>Technical Data Sheet</b>		Code												
				<b>GEQLCS350A-ASE</b>												
<b>Ing. Enea Mattei S.p.A.</b>		<b>PRODUCT SPECIFICATIONS</b>		6/8/18												
				date												
				draft												
				4/12/18												
				revision												
				issue												
Model				<b>BLADE 7 HHXTM-SE</b>												
Description				WorkShop unit												
Arrangement				Silenced												
Series				<b>BLADE</b>												
Air End frame				<b>M 75</b>												
Version				n.a.												
OIL cooling medium				Air												
AIR cooling medium				Air												
Modulation				Yes												
Decompression				Yes												
Receiver				ASME												
Inlet nominal pressure		ISO 1217	psi (a)	<b>14.5</b>												
Inlet nominal temperature		ISO 1217	°F	<b>68</b>												
Relative humidity		ISO 1217	%	<b>0</b>												
Motor nominal speed		ISO 1217	rpm	<b>3600</b>												
Nominal working pressure			psi (g)	<b>168 (HHX)</b>												
Maximum working pressure			psi (g)	<b>175</b>												
Nominal delivery		(1)	cfm	<b>30</b>												
Terminals absorbed power		(2) (6)	kW	<b>8.60</b>												
Terminals unload absorbed power			Kw	<b>2.43</b>												
Noise level (max)		ISO 2151 - @1 mt	dBA	<b>64</b>												
Oil carry over			ppm	<b>3</b>												
Total heat recovery (up to ...)			%	<b>95</b>												
Oil circuit capacity			gallons	<b>1</b>												
<b>PERFORMANCES</b>																
psi (g)	73		87		100		116		131		145		160		175	
	cfm	kW	cfm	kW	cfm	kW	cfm	kW	cfm	kW	cfm	kW	cfm	kW	cfm	kW
	<b>31.40</b>	<b>3.80</b>	<b>31.16</b>	<b>4.53</b>	<b>30.93</b>	<b>5.18</b>	<b>30.72</b>	<b>5.98</b>	<b>30.50</b>	<b>6.71</b>	<b>30.30</b>	<b>7.44</b>	<b>30.10</b>	<b>8.16</b>	-	-
<b>ELECTRICAL CHARACTERISTICS</b>																
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		25.7		23.2		11.6		9.3		
Minimum supply cables section (33 ft.)						AWG		10		10		10		10		
<b>MAIN MOTOR</b>																
Nominal power input				kW / HP				7 / 10								
Efficiency class				-		-		NEMA T								
Efficiency				%				90.2								
Poles				-		-		2								
Protection index				IP				55								
Insulation class				-		-		F								
<b>COOLING</b>																
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		30478								
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		-								
<b>DRYER</b>																
Refrigerant gas				-		-		R134a								
Dew point (pressure)						°F		37.4								
Absorbed power						kW		0.33								
Regeneration air percentage						%		-								
Supply: Voltage - frequency - phases						V / Hz / Ph		230/60/1								
<b>DIMENSIONS</b>																
AIR outlet connection				-		-		Rp 1/2"								
Condensate separator drain connection				-		-		-								
Condensate drain connection				-		-		10 mm (Male)								
Condensate DRYER drain connection				-		-		(to the atmosphere)								
Receiver condensate drain connection				-		-		Manual (Rp 3/8")								
INLET-OUTLET water connections				-		-		-								
Storage AIR receiver volume						gallons		80								
Width						inch		32								
Length						inch		63								
Height						inch		52								
Weight						lbs		857								
<b>NOTES</b>																
( 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																