



# Technical Data Sheet

Code **GEALCS3BAA-ASE**

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## PRODUCT SPECIFICATIONS

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date

draft

revision

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issue

Model **BLADE 7 HHX**

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	3600
Nominal working pressure		psi (g)	168 (HHX)
Maximum working pressure		psi (g)	175
Nominal delivery	(1)	cfm	30
Terminals absorbed power	(2) (6)	kW	8.60
Terminals unload absorbed power		Kw	2.43
Noise level (max)	ISO 2151 - @1 mt	dBA	64
Oil carry over		ppm	3
Total heat recovery (up to ...)		%	95
Oil circuit capacity		gallons	1

### PERFORMANCES

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
	31.40	3.80	31.16	4.53	30.93	5.18	30.72	5.98	30.50	6.71	30.30	7.44	30.10	8.16	-	-

### ELECTRICAL CHARACTERISTICS

Electric certification					CEI			
Starting type					Full-Voltage			
Voltage -- Frequency -- Phases					V / Hz / Ph			
Auxiliary circuit tension					208/60/3 230/60/3 460/60/3 575/60/3			
Nominal absorbed current	(6)				A			
Minimum supply cables section (33 ft.)					AWG			

### MAIN MOTOR

Nominal power input					kW / HP				7 / 10			
Efficiency class									NEMA T			
Efficiency									90.2			
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			
Heat Removal Oil and Aftercooler	(4)				Btu/hr				29352			
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				473			

### 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