

BellissMorcom		WH Series						
		Technical Information Sheet						V1
		Oil Free Compressors						07/09/2017
Performance Data			WH28H3N	WH29H3N	WH35H3N	WH40H3N	WH45H3N	WH50H3N
Maximum working pressure		bar g	45	45	45	45	45	45
Minimum working pressure		bar g	20	20	20	20	20	20
Ambient temperature - min/max		°C	0 - 45	0 - 45	0 - 45	0 - 45	0 - 45	0 - 45
45 bar	FAD*	m3/hr	1667	1797	2117	2297	2696	3195
	Total input power* (P spec. - kW min/m ³)	kW	265	277	339	360	449	519
40 bar	FAD*	m3/hr	1680	1800	2120	2300	2700	3200
	Total input power*	kW	258	270	330	350	437	505
35 bar	FAD*	m3/hr	1685	1805	2126	2306	2708	3209
	Total input power*	kW	249	261	318	338	422	487
30 bar	FAD*	m3/hr	1691	1811	2133	2315	2717	3220
	Total input power*	kW	239	250	306	325	405	468
25 bar	FAD*	m3/hr	1698	1820	2143	2325	2730	3235
	Total input power*	kW	229	240	293	311	388	449
20 bar	FAD*	m3/hr	1709	1831	2156	2339	2746	3254
	Total input power*	kW	216	226	276	293	366	423
Total input power at no load		kW	20.6	21.6	26.4	28.0	35.0	40.4
Maximum rotation speed		rpm	735	735	735	735	735	735
Discharge temperature of air above cooling water		°C	11	11	11	11	11	11
Free field noise level **		dB(A)	90	90	90	90	90	92
Electrical Data								
Nominal motor rating		kW	280	325	360	400	500	550
Nominal voltage [tolerance] (Frequency)		%	10	10	10	10	10	10
Drive motor speed		rpm	735	735	735	735	735	735
Standard drive motor efficiency		%	95.3	95	95.3	95.3	95.3	95.5
watercooled motor efficiency		%	96	96.3	96.3	96.7	96.7	96.8
Cooling Data								
Cooling water connections			2 x 3" ANSI Class 150 flanges					
Cooling water flow		l/min	370	400	480	500	600	620
Maximum cooling water pressure		bar g	7	7	7	7	7	7
Cooling water inlet temperature		degC	16 - 35	16 - 35	16 - 35	16 - 35	16 - 35	16 - 35
Weights, Dimensions and Capacities Data								
Compressed air delivery connection			3" ANSI Class 600 flange					
Weight		kg	9000	9000	9240	9200	9500	9600
Width		mm	3236	3236	3354	3459	3424	4018
Depth		mm	2288	2308	2465	2470	2674	2674
Height		mm	2793	2793	2847	2876	2970	3192
* Data measured and stated in accordance with ISO1217								
** Measured in free field conditions.								
Gardner Denver policy is one of continuous improvement and we therefore reserve the right to alter specifications without prior notice.								