

BellissMorcom		VH Series								
		Technical Information Sheet							V1	
		Oil Free Compressors							02/10/2017	
Performance Data			VH7H3N	VH9H3N	VH12H3N	VH15H3N	VH18H3N	VH21H3N	VH25H3N	
Maximum working pressure		bar g	40	40	45	45	45	45	45	
Minimum working pressure		bar g	20	20	20	20	20	20	20	
Ambient temperature - min/max		°C	0 - 45	0 - 45	0 - 45	0 - 45	0 - 45	0 - 45	0 - 45	
45 bar	FAD*	m3/hr	-	-	728	915	1114	1400	1498	
	Total input power* (P spec. - kW min/m³)	kW	-	-	119	150	190	233	249	
40 bar	FAD*	m3/hr	420	580	729	916	1116	1402	1500	
	Total input power*	kW	75	101	116	146	185	227	242	
35 bar	FAD*	m3/hr	421	582	731	919	1119	1406	1504	
	Total input power*	kW	72	98	112	141	179	219	234	
30 bar	FAD*	m3/hr	423	584	734	922	1123	1411	1510	
	Total input power*	kW	70	94	108	135	172	211	224	
25 bar	FAD*	m3/hr	425	586	737	926	1128	1417	1517	
	Total input power*	kW	67	90	103	130	164	202	215	
20 bar	FAD*	m3/hr	427	590	741	932	1135	1426	1526	
	Total input power*	kW	63	85	97	122	155	190	203	
Total input power at no load		kW	6	8	9	12	15	18	19	
Maximum rotation speed		rpm	735	985	590	735	590	735	735	
Discharge temperature of air above cooling water		°C	8	8	11	11	11	11	8	
Free field noise level **		dB(A)	85	85	85	85	90	90	90	
Electrical Data										
Nominal motor rating		kW	90	110	150	175	210	260	280	
Nominal voltage [tolerance] (Frequency)		%	10	10	10	10	10	10	10	
Drive motor speed		rpm	735	985	590	735	590	735	735	
Standard drive motor efficiency		%	95.3	95.3	93.3	94.2	95.3	95	95	
watercooled motor efficiency		%	96.3	96.3	96.3	96.3	96	96	96.3	
Cooling Data										
Cooling water connections			2 x 1 1/2" NB BS4504 Table 16/4			2 x 2" NB BS4504 Table 16/4				
Cooling water flow		l/min	98	132	200	233	258	283	330	
Maximum cooling water pressure		bar g	7	7	7	7	7	7	7	
Cooling water inlet temperature		degC	16 - 35	16 - 35	16 - 35	16 - 35	16 - 35	16 - 35	16 - 35	
Weights, Dimensions and Capacities Data										
Compressed air delivery connection			2 1/2" NB ANSI Class 600			3" NB ANSI Class 600				
Weight		kg	2750	2750	4350	4350	4500	4500	5000	
Width		mm	2275	2275	3069	3069	3082	3082	2913	
Depth		mm	1228	1228	1743	1743	1939	1939	1952	
Height		mm	1815	1815	2166	2166	2166	2166	2461	
* 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.										