

12.SPECIFICATION

A SERIES: OPEN TYPE FOR OUTSIDE DESIGN

Model	Unit	A4	A5.5	A7.5	A11	
Intake pressure	bar	1.0	1.0	1.0	1.0	
Ambient temperature	°C	0-45	0-45	0-45	0-45	
Relative humidity	%	0-90	0-90	0-90	0-90	
Performance Parameter						
Free Air Delivery	8bar	m ³ /min	0.68	0.90	1.39	1.96
	10bar	m ³ /min	0.53	0.77	1.15	1.71
	13bar	m ³ /min	0.48	0.56	0.95	1.33
Outlet temp(higher than ambient temp)	°C	5-10	5-10	5-10	5-10	
Oil carry over	PPM	≤3	≤3	≤3	≤3	
Noise Level	dB(A)	71	71	75	75	
Drive method		Direct	Direct	Direct	Direct	
Rotational speed	(r.p.m)	1435	1440	1440	1460	
Oil System capacity	L	2.5	2.5	3.5	3.5	
Air outlet size	RP	½	½	¾	¾	
Dimensions	Length	mm	1051	1051	1202	1202
	Width	mm	416	435	513	538
	Height	mm	706	721	827	850
Weight	kg	115	125	210	250	
Electrical characteristics						
Electric starting		Star-delta	Star-delta	Star-delta	Star-delta	
Electric motor power	KW	4	5.5	7.5	11	
Insulation class		F	F	F	F	
Enclosure class		IP55	IP55	IP55	IP55	
Service factor		1.15	1.15	1.15	1.15	
Power supply	V/ph/Hz	380~415/3/50	380~415/3/5	380~415/3/50	380~415/3/50	
Supply wire min section	mm ²	4	4	6	10	

A SERIES: OPEN TYPE FOR OUTSIDE DESIGN

Model		Unit	A15	A18.5	A22
Reference conditions					
Intake pressure		bar	1.0	1.0	1.0
Ambient temperature		°C	0-45	0-45	0-45
Relative humidity		%	0-90	0-90	0-90
Performance Parameter					
Free Air Delivery	8bar	m ³ /min	2.71	3.29	3.76
	10bar	m ³ /min	2.21	2.65	3.21
	13bar	m ³ /min	1.85	2.25	2.56
Outlet temp(higher than ambient temp)		°C	5-10	5-10	5-10
Oil carry over		PPM	≤3	≤3	≤3
Noise Level		dB(A)	79	79	79
Drive method			Direct	Direct	Direct
Rotational speed		(r.p.m)	1460	1470	1470
Oil System capacity		L	10	10	10
Air outlet size		RP	1	1	1
Dimensions	Length	mm	1472	1515	1583
	Width	mm	620	620	620
	Height	mm	956	959	959
Weight		kg	370	390	405
Electrical characteristics					
Electric starting			Star-delta	Star-delta	Star-delta
Electric motor power		KW	15	18.5	22
Insulation class			F	F	F
Enclosure class			IP55	IP55	IP55
Service factor			1.15	1.15	1.15
Power supply		V/PH/Hz	380~415/3/50	380~415/3/50	380~415/3/50
Supply wire min section		mm ²	16	16	25

A SERIES: OPEN TYPE FOR OUTSIDE DESIGN

Model		Unit	A30	A37	A45	A55
Reference conditions						
Intake pressure		bar	1.0	1.0	1.0	1.0
Ambient temperature		°C	0-45	0-45	0-45	0-45
Relative humidity		%	0-90	0-90	0-90	0-90
Performance Parameter						
Free Air Delivery	8bar	m ³ /min	5.60	6.80	8.25	10.50
	10bar	m ³ /min	4.65	5.66	7.00	8.90
	13bar	m ³ /min	3.66	4.70	5.83	7.00
Outlet temp(higher than ambient temp)		°C	5-10	5-10	5-10	5-10
Oil carry over		PPM	≤3	≤3	≤3	≤3
Noise Level		dB(A)	79	79	81	81
Drive method			Direct	Direct	Direct	Direct
Rotational speed		(r.p.m)	1470	1475	1475	1480
Oil System capacity		L	19	19	19	19
Air outlet size		RP	1½	1½	1½	2
Dimensions	Length	mm	1808	1900	1907	2032
	Width	mm	830	830	830	907
	Height	mm	1176	1176	1176	1176
Weight		kg	640	740	810	840
Electrical characteristics						
Electric starting			Star-delta	Star-delta	Star-delta	Star-delta
Electric motor power		KW	30	37	45	55
Insulation class			F	F	F	F
Enclosure class			IP55	IP55	IP55	IP55
Service factor			1.15	1.15	1.15	1.15
Power supply		V/ph/Hz	380~415/3/50	380~415/3/50	380~415/3/50	380~415/3/50
Supply wire min section		mm ²	35	50	50	50

AB SERIES: SILENCE TYPE

Model		Unit	AB4	AB5.5	AB7.5	AB11
Reference conditions						
Intake pressure		bar	1.0	1.0	1.0	1.0
Ambient temperature		°C	0-45	0-45	0-45	0-45
Relative humidity		%	0-90	0-90	0-90	0-90
Performance Parameter						
Free Air Delivery	8bar	m ³ /min	0.68	0.90	1.39	1.96
	10bar	m ³ /min	0.53	0.77	1.15	1.71
	13bar	m ³ /min	0.48	0.56	0.95	1.33
Outlet temp(higher than ambient temp)		°C	5-10	5-10	5-10	5-10
Oil carry over		PPM	≤3	≤3	≤3	≤3
Noise Level		dB(A)	67	67	69	69
Drive method			Direct	Direct	Direct	Direct
Rotational speed		(r.p.m)	1435	1440	1440	1460
Oil System capacity		L	2.5	2.5	2.5	2.5
Air outlet size		RP	½	½	¾	¾
Dimensions	Length	mm	1005	1005	1251	1251
	Width	mm	515	515	610	610
	Height	mm	800	800	1042	1042
Weight		kg	170	200	295	330
Electrical characteristics						
Electric starting			Star-delta	Star-delta	Star-delta	Star-delta
Electric motor power		KW	4	5.5	7.5	11
Insulation class			F	F	F	F
Enclosure class			IP55	IP55	IP55	IP55
Service factor			1.15	1.15	1.15	1.15
Power supply		V/ph/Hz	380~415/3/50	380~415/3/50	380~415/3/50	380~415/3/50
Supply wire min section		mm ²	4	4	6	40

AB SERIES: SILENCE TYPE

Model		Unit	AB15	AB18.5	AB22
Reference conditions					
Intake pressure		bar	1.0	1.0	1.0
Ambient temperature		°C	0-45	0-45	0-45
Relative humidity		%	0-90	0-90	0-90
Performance Parameter					
Free Air Delivery	8bar	m ³ /min	2.71	3.29	3.76
	10bar	m ³ /min	2.21	2.65	3.21
	13bar	m ³ /min	1.85	2.25	2.56
Outlet temp(higher than ambient temp)		°C	5-10	5-10	5-10
Oil carry over		PPM	≤3	≤3	≤3
Noise Level		dB(A)	72	72	72
Drive method			Direct	Direct	Direct
Rotational speed		(r.p.m)	1460	1470	1470
Oil System capacity		L	10	10	10
Air outlet size		RP	1	1	1
Dimensions	Length	mm	1510	1510	1510
	Width	mm	800	800	800
	Height	mm	1200	1200	1200
Weight		kg	500	540	600
Electrical characteristics					
Electric starting			Star-delta	Star-delta	Star-delta
Electric motor power		KW	15	18.5	22
Insulation class			F	F	F
Enclosure class			IP55	IP55	IP55
Service factor			1.15	1.15	1.15
Power supply		V/PH/Hz	380~415/3/50	380~415/3/50	380~415/3/50
Supply wire min section		mm ²	16	16	25

AB SERIES: SILENCE TYPE

Model		Unit	AB30	AB37	AB45	AB55
Reference conditions						
Intake pressure		bar	1.0	1.0	1.0	1.0
Ambient temperature		°C	0-45	0-45	0-45	0-45
Relative humidity		%	0-90	0-90	0-90	0-90
Performance Parameter						
Free Air Delivery	8bar	m ³ /min	5.60	6.80	8.25	10.50
	10bar	m ³ /min	4.65	5.66	7.00	8.90
	13bar	m ³ /min	3.66	4.70	5.83	7.00
Outlet temp(higher than ambient temp)		°C	5-10	5-10	5-10	5-10
Oil carry over		PPM	≤3	≤3	≤3	≤3
Noise Level		dB(A)	68	68	68	68
Drive method			Direct	Direct	Direct	Direct
Rotational speed		(r.p.m)	1470	1475	1475	1480
Oil System capacity		L	19	19	19	19
Air outlet size		RP	2	2	2	2
Dimensions	Length	mm	1830	1830	1830	1830
	Width	mm	960	960	960	960
	Height	mm	1670	1670	1670	1670
Weight		kg	810	900	975	1020
Electrical characteristics						
Electric starting			Star-delta	Star-delta	Star-delta	Star-delta
Electric motor power		KW	30	37	45	55
Insulation class			F	F	F	F
Enclosure class			IP55	IP55	IP55	IP55
Service factor			1.2	1.2	1.2	1.2
Power supply		V/ph/Hz	380~415/3/50	380~415/3/5	380~415/3/5	380~415/3/5
Supply wire min section		mm ²	35	50	50	50

ASM SERIES: A series+ Air receiver;

Model		Unit	ASM4	ASM5.5	ASM7.5	ASM11
Reference conditions						
Intake pressure		bar	1.0	1.0	1.0	1.0
Ambient temperature		°C	0-45	0-45	0-45	0-45
Relative humidity		%	0-90	0-90	0-90	0-90
Performance Parameter						
Free Air Delivery	8bar	m ³ /min	0.68	0.90	1.39	1.96
	10bar	m ³ /min	0.53	0.77	1.15	1.71
	13bar	m ³ /min	0.48	0.56	0.95	1.33
Outlet temp(higher than ambient temp)		°C	5-10	5-10	5-10	5-10
Oil carry over		PPM	≤1.5	≤1.5	≤1.5	≤1.5
Noise Level		dB(A)	71	71	75	75
Drive method			Direct	Direct	Direct	Direct
Rotational speed		(r.p.m)	1435	1440	1440	1460
Oil System capacity		L	2.5	2.5	3.5	3.5
Air outlet size		RP	½	½	½	½
Dimensions	Length	mm	1155	1155	1500	1500
	Width	mm	495	495	550	550
	Height	mm	1050	1050	1150	1150
Weight		kg	220	230	270	315
Electrical characteristics						
Electric starting			Star-delta	Star-delta	Star-delta	Star-delta
Electric motor power		KW	4	5.5	7.5	11
Insulation class			F	F	F	F
Enclosure class			IP55	IP55	IP55	IP55
Service factor			1.15	1.15	1.15	1.15
Power supply		V/ph/Hz	380~415/3/5	380~415/3/5	380~415/3/5	380~415/3/50
Supply wire min section		mm ²	4	4	6	10

User Manual - Specification

ASM SERIES: A series+ Air receiver;

Model		Unit	ASM15	ASM18.5	ASM22
Reference conditions					
Intake pressure		bar	1.0	1.0	1.0
Ambient temperature		°C	0-45	0-45	0-45
Relative humidity		%	0-90	0-90	0-90
Performance Parameter					
Free Air Delivery	8bar	m ³ /min	2.71	3.29	3.76
	10bar	m ³ /min	2.21	2.65	3.21
	13bar	m ³ /min	1.85	2.25	2.56
Outlet temp(higher than ambient temp)		°C	5-10	5-10	5-10
Oil carry over		PPM	≤1.5	≤1.5	≤1.5
Noise Level		dB(A)	79	79	79
Drive method			Direct	Direct	Direct
Rotational speed		(r.p.m)	1460	1470	1470
Oil System capacity		L	10	10	10
Air outlet size		RP	1	1	1
Dimensions	Length	mm	1450	1500	1520
	Width	mm	600	600	600
	Height	mm	1400	1420	1450
Weight		kg	300	420	440
Electrical characteristics					
Electric starting			Star-delta	Star-delta	Star-delta
Electric motor power		KW	15	18.5	22
Insulation class			F	F	F
Enclosure class			IP55	IP55	IP55
Service factor			1.15	1.15	1.15
Power supply		V/PH/Hz	380~415/3/50	380~415/3/50	380~415/3/50
Supply wire min section		mm ²	16	16	25

User Manual - Specification

MD SERIES: Double Airend in cabinet

Model		Unit	MD75	MD90	MD110
Reference conditions					
Intake pressure		bar	1.0	1.0	1.0
Ambient temperature		°C	0-45	0-45	0-45
Relative humidity		%	0-90	0-90	0-90
Performance Parameter					
Free Air Delivery	8bar	m ³ /min	13.60	16.56	20.00
	10bar	m ³ /min	11.32	14.00	17.80
	13bar	m ³ /min	9.60	11.76	14.40
Outlet temp(higher than ambient temp)		°C	5-10	5-10	5-10
Oil carry over		PPM	≤1.5	≤1.5	≤1.5
Drive method			Direct	Direct	Direct
Rotational speed		(r.p.m)	1475	1475	1480
Oil System capacity		L	19*2	19*2	19*2
Air outlet size			DN65	DN65	DN65
Dimensions	Length	mm	1800	1800	1800
	Width	mm	1560	1560	1560
	Height	mm	1700	1700	1700
Weight		kg	1500	1700	1900
Electrical characteristics					
Electric starting			Star-delta	Star-delta	Star-delta
Electric motor power		KW	37*2	45*2	55*2
Insulation class			F	F	F
Enclosure class			IP55	IP55	IP55
Service factor			1.2	1.2	1.2
Power supply		V/PH/Hz	380/3/50	380/3/50	380/3/50
Supply wire min section		mm ²	120	120	120

VENUS SERIES: AB Series + High performance Inverter

Model		Unit	Venus7	Venus11	Venus15	Venus18
Reference conditions						
Intake pressure		bar	1.0	1.0	1.0	1.0
Ambient temperature		°C	0-45	0-45	0-45	0-45
Relative humidity		%	0-90	0-90	0-90	0-90
Performance Parameter						
Free Air Delivery	8bar	m ³ /min	0.828-1.38	1.24-1.96	1.72-2.71	2.08-3.29
	10bar	m ³ /min	0.678-1.15	1.08-1.71	1.40-2.21	1.68-2.65
	13bar	m ³ /min	0.60-0.95	0.84-1.33	1.17-1.85	1.42-2.25
Outlet temp(higher than ambient temp)		°C	5-10	5-10	5-10	5-10
Oil carry over		PPM	≤1.5	≤1.5	≤1.5	≤1.5
Noise Level		dB(A)	69	69	72	72
Drive method			Direct	Direct	Direct	Direct
Rotational speed		(r.p.m)	1440	1460	1460	1470
Oil System capacity		L	3.5	3.5	10	10
Air outlet size		RP	¾	¾	1	1
Dimensions	Length	mm	1251	1251	1510	1510
	Width	mm	610	610	800	800
	Height	mm	1042	1042	1200	1200
Weight		kg	295	330	500	540
Electrical characteristics						
Electric starting			Star-delta	Star-delta	Star-delta	Star-delta
Electric motor power		KW	7.5	11	15	18.5
Insulation class			F	F	F	F
Enclosure class			IP55	IP55	IP55	IP55
Service factor			1.15	1.15	1.15	1.15
Power supply		V/ph/Hz	380~415/3/5	380~415/3/50	380~415/3/50	380~415/3/50
Supply wire min section		mm ²	6	10	16	16

VENUS SERIES: AB Series + High performance Inverter

Model		Unit	Venus22	Venus30	Venus37	Venus45
Reference conditions						
Intake pressure		bar	1.0	1.0	1.0	1.0
Ambient temperature		°C	0-45	0-45	0-45	0-45
Relative humidity		%	0-90	0-90	0-90	0-90
Performance Parameter						
Free Air Delivery	8bar	m ³ /min	2.38-3.76	3.54-5.60	4.30-6.80	5.22-8.25
	10bar	m ³ /min	2.03-3.21	2.94-4.65	3.58-5.66	4.43-7.00
	13bar	m ³ /min	1.62-2.56	2.32-3.66	2.97-4.70	3.69-5.83
Outlet temp(higher than ambient temp)		°C	5-10	5-10	5-10	5-10
Oil carry over		PPM	≤1.5	≤1.5	≤1.5	≤1.5
Noise Level		dB(A)	72	68	68	68
Drive method			Direct	Direct	Direct	Direct
Rotational speed		(r.p.m)	1470	1470	1475	1475
Oil System capacity		L	10	19	19	19
Air outlet size		RP	1	2	2	2
Dimensions	Length	mm	1510	1830	1830	1830
	Width	mm	800	960	960	960
	Height	mm	1200	1670	1670	1670
Weight		kg	600	810	900	975
Electrical characteristics						
Electric starting			Star-delta	Star-delta	Star-delta	Star-delta
Electric motor power		KW	22	30	37	45
Insulation class			F	F	F	F
Enclosure class			IP55	IP55	IP55	IP55
Service factor			1.15	1.15	1.15	1.15
Power supply		V/ph/Hz	380~415/3/50	380~415/3/50	380~415/3/50	380~415/3/50
Supply wire min section		mm ²	25	35	50	50

VENUS SERIES: AB Series + High performance Inverter

Model		Unit	Venus55	Venus75	Venus90	Venus110
Reference conditions						
Intake pressure		bar	1.0	1.0	1.0	1.0
Ambient temperature		°C	0-45	0-45	0-45	0-45
Relative humidity		%	0-90	0-90	0-90	0-90
Performance Parameter						
Free Air Delivery	8bar	m ³ /min	6.65-10.50	10.88-13.60	10.44-16.5	13.29-21.0
	10bar	m ³ /min	5.63-8.90	9.6-11.32	8.86-14.0	11.27-17.8
	13bar	m ³ /min	4.43-7.00	8.0-9.6	7.38-11.66	8.86-14.0
Outlet temp(higher than ambient temp)		°C	5-10	5-10	5-10	5-10
Oil carry over		PPM	≤1.5	≤1.5	≤1.5	≤1.5
Noise Level		dB(A)	68	72	72	72
Drive method			Direct	Direct	Direct	Direct
Rotational speed		(r.p.m)	1480	1475	1475	1480
Oil System capacity		L	19	19*2	19*2	19*2
Air outlet size		RP	2	DN65	DN65	DN65
Dimensions	Length	mm	1830	1800	1800	1800
	Width	mm	960	1560	1560	1560
	Height	mm	1670	1700	1700	1700
Weight		kg	1020	1530	1900	1950
Electrical characteristics						
Electric starting			Star-delta	Star-delta	Star-delta	Star-delta
Electric motor power		KW	55	37*2	45*2	55*2
Insulation class			F	F	F	F
Enclosure class			IP55	IP55	IP55	IP55
Service factor			1.15	1.15	1.15	1.15
Power supply		V/ph/Hz	380~415/3/50	380~415/3/50	380~415/3/5	380~415/3/50
Supply wire min section		mm ²	50	120	120	120

