	SCR180EPM2/220EPM2	VER 1.0.1
	Technical Information Sheet	

Direct drive **Aircooled** **380(400,415)V, 50Hz, 3 Phase** **Speed controlled**		**SCR180EPM2**			**SCR220EPM2**		
	Frequency Range	7	8	10	7	8	10
First figure: Effective volume flow **m3/min** (ISO 1217/Annex C) **Second figure:** Terminal power **kW** (ISO 1217/Annex C)	**100%**	30.0	28.0	23.0	33.5	31	27
		178.0	178.0	165.0	198	197	194
	90%	27.0	25.3	20.7	30.2	28	24.5
		160.0	160.0	148.0	178	177	175
	80%	24.2	22.5	18.7	27	25	21.8
		142.0	142.0	131.0	158	158	155
	70%	21.3	19.7	16.5	24	22	19.2
		123.0	123.0	114.0	139	138	135
	60%	17.5	16.5	13.6	20	18.5	16.1
		106.0	106.0	97.0	121	120	116
	50%	14.0	13.5	11.3	16.2	15.5	13.2
		88.0	88.0	85.0	103	102	99
	40%	11.4	10.5	8.8	13	12	10.4
		77.0	77.0	68.0	87	86	79
	30%	8.3	7.5	6.5	9.3	8.8	7.6
		60.0	60.0	55.0	67	66	60
Drive Motor							
Nominal motor rating	kW	132			160		
Motor type		Liquid Cooling PM Motor			Liquid Cooling PM Motor		
Full load current @ 380/400/415	A	275/268/259			330/314/302		
Starting current @ 380/400/415	A	FLC*(1.2~1.5)			FLC*(1.2~1.5)		
Total input power (incl fan)	kW	171	173	163	193	197	190
Motor enclosure (IP rating)		IP65			IP65		
Motor speed **min/max**	RPM	750/1875	708/1770	602/1505	810/2025	792/1980	674/1685
Motor efficiency	%	96.30%			96.90%		
Service factor		1.3			1.3		
Fan motor rating	kW	3.7+3.7			4+4		
Cooling air capacity	m3/h	25000			30000		
Air End							
Male rotor max speed	RPM	1875	1770	1505	2025	1980	1685
Temperatures							
Ambient temperature range	ºC	1-45			1-45		
Dimensions / Weights / General data							
Compressed air outlet	Ø	DN80			DN80		
L x W x H	mm	2700*1650*2150			2700*1650*2150		
Weight	kg	3050			3150		
Oil capacity	l	115			115		
Residual oil content	mg/m3	≤3			≤3		
Noise level at 1 meter	dB	79±3dB			79±3dB		
Outlet temperature	ºC	Ambient+10℃			Ambient+10℃		