	SCR100EPM-125EPM2	VER 1.04
SCR COMP	Technical Information Sheet	CE

Direct drive **Aircooled** **380(400,415)V, 50Hz, 3 Phase** **Speed controlled**		**SCR 100EPM2**			**SCR125EPM2**		
	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%**	16.3	16	13.7	20	19	16.5
		94	99	93	113	115	113
	90%	14.6	14.3	12.4	18	17.2	15
		85	89	84	103	106	104
	80%	13	12.7	10.9	16	15.2	13.3
		75	79	74	89	93	93
	70%	11	10.8	9.2	13.8	13.1	11.4
		66	69	65	76	82	81
	60%	9.3	9.1	7.8	11.2	11	9.3
		56	59	56	66	69	70
	50%	7.4	7.2	6.1	9	8.9	7.5
		47	49	47	55	57	58
	40%	5.6	5.4	4.5	7	6.9	5.5
		38	40	37	45	46	47
	30%	3.8	3.6	2.9	5.1	5	4
		28	29	28	34	36	35
Drive Motor							
Nominal motor rating	kW	75			90		
Motor type		Liquid Cooling PM Motor			Liquid Cooling PM Motor		
Full load current @380/400/415	A	158/150/145			182/173/167		
Starting current @380/400/415	A	FLC*(1.2~1.5)			FLC*(1.2~1.5)		
Motor output at shaft	kW	86	90	83	100	106	104
Total input power (incl fan)	kW	94	99	93	113	115	113
Motor enclosure (IP rating)		IP65			IP65		
Motor speed **min/max**	RPM	435/1450	423/1410	437/1455	510/1701	482/1605	437/1455
Motor efficiency	%	96.60%			96.00%		
Service factor		1.3			1.3		
Fan motor rating	kW	2.2			2.2		
Cooling air capacity	m3/h	17500			17500		
Air End							
Male rotor max speed	RPM	1450	1410	1455	1701	1605	1455
Temperatures							
Ambient temperature range	ºC	1-45			1-45		
Dimensions / Weights / General data							
Compressed air outlet	Ø	DN65			DN65		
L x W x H	mm	2280*1500*2100			2280*1500*2100		
Weight	kg	2010			2050		
Oil capacity	l	78			78		
Residual oil content	mg/m3	≤3			≤3		
Noise level at 1 meter	dB	78±3dB			78±3dB		
Outlet temperature	ºC	Ambient+10℃			Ambient+10℃		