	SCR75EPM2-90EPM2	VER 2.03
	Technical Information Sheet	

Direct drive **Aircooled** **380(400,415)V, 50Hz, 3 Phase** **Speed controlled**		**SCR 75EPM2**			**SCR90EPM2**		
	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%**	12.5	11.5	10.5	14	13	12
		72	71	75	82	81	86
	90%	11.4	10.4	9.5	12.7	11.7	10.8
		65	64	68	74	73	77
	80%	10	9.2	8.4	11.3	10.5	9.6
		58	57	60	66	65	68
	70%	8.8	8	7.3	10	9.3	8.4
		51	50	53	58	57	60
	60%	7.4	6.8	6.1	8.5	7.8	7.2
		45	44	46	52	51	52
	50%	6.1	5.6	5	7	6.3	6
		38	37	39	43	42	45
	40%	4.8	4.2	3.9	5.3	5	4.5
		33	31	34	36	35	38
	30%	3.5	3	2.6	4	3.6	3.2
		25	23	25	28	27	30
Drive Motor							
Nominal motor rating	kW	55			63		
Motor type		Liquid Cooling PM Motor			Liquid Cooling PM Motor		
Full load current @380/400/415	A	113/108/104			127/121/116		
Starting current @380/400/415	A	FLC*(1.2~1.5)			FLC*(1.2~1.5)		
Motor output at shaft	kW	65	66	68	74	75	80
Total input power (incl fan)	kW	72	71	75	82	81	86
Motor enclosure (IP rating)		IP65			IP65		
Motor speed **min/max**	RPM	570/1875	525/1770	495/1635	645/2145	600/2025	570/1905
Motor efficiency	%	96.00%			96.00%		
Service factor		1.3			1.3		
Fan motor rating	kW	2.2			2.2		
Cooling air capacity	m3/h	15600			15600		
Air End							
Male rotor max speed	RPM	1875	1770	1635	2145	2025	1905
Temperatures							
Ambient temperature range	ºC	1-45			1-45		
Dimensions / Weights / General data							
Compressed air outlet	Ø	DN50			Rc 2"		
L x W x H	mm	1900*1350*1650			1900*1350*1650		
Weight	kg	1550			1600		
Oil capacity	l	55			55		
Residual oil content	mg/m3	≤3			≤3		
Noise level at 1 meter	dB	76±3dB			77±3dB		
Outlet temperature	ºC	Ambient+10℃			Ambient+10℃		