

Motor type NP560KR

IC06-17-37-86W

Wind. N°.	Base speed (rpm)								P (kW)	Max rpm*	I (A)	T (Nm)	η (%)	R _{arm} (Ohm)	L _{arm} (mH)	Select. code				
	400	440	460	500	520	600	700	750												
44	617								820	1210	2205	12688	93,03	0,009	0,096	8				
		683							906	1210	2205	12674	93,42				0,096			
			716						949	1210	2205	12662	93,54					0,095		
				782					1036	1210	2205	12665	93,94						0,095	
					814				1078	1210	2205	12654	94,03							0,095
						945			1247	1210	2200	12606	94,46							
45	580								769	1200	2078	12677	92,47	0,010	0,109	8				
		641							848	1200	2072	12641	93,00				0,109			
			672						888	1200	2072	12634	93,18					0,108		
				734					965	1200	2062	12563	93,57						0,108	
					764				1002	1210	2056	12520	93,68							0,108
						888			1153	1220	2041	12408	94,20							
						1043		1335	1230	2014	12230	94,66	0,109							
46	547								726	1180	1966	12690	92,32	0,011	0,122	8				
		605							803	1180	1966	12689	92,87				0,121			
			634						842	1180	1966	12680	93,05					0,121		
				692					918	1180	1966	12666	93,37						0,120	
					721				957	1180	1966	12674	93,61							0,120
						839			1105	1190	1956	12586	94,13							
						984		1277	1210	1929	12394	94,58	0,121							
48	491								648	1150	1760	12597	92,02	0,014	0,152	8				
		544							717	1150	1760	12588	92,55				0,151			
			570						750	1150	1760	12576	92,72					0,150		
				622					819	1150	1760	12571	93,13						0,149	
					650				853	1150	1760	12561	93,26							0,149
						754			991	1150	1760	12554	93,88							
						885		1163	1150	1760	12542	94,41	0,147							
							951	1248	1150	1760	12526	94,54	0,147							
50	428								584	1060	1601	13031	91,23	0,018	0,191	6				
		475							647	1100	1601	13016	91,81				0,190			
			498						678	1150	1601	13020	92,14					0,189		
				545					741	1150	1601	13008	92,58						0,188	
					567				772	1150	1601	12994	92,72							0,188
						660			895	1150	1595	12944	93,47							
						777		1040	1160	1579	12793	94,06	0,187							
							835	1113	1170	1574	12739	94,28	0,187							
51	401								550	1100	1511	13099	91,05	0,019	0,216	6				
		445							610	1100	1511	13091	91,71				0,215			
			467						639	1100	1511	13087	91,99					0,214		
				511					699	1130	1511	13081	92,49						0,213	
					532				727	1130	1511	13059	92,58							0,212
						619			846	1130	1511	13052	93,33							
						728		993	1130	1511	13033	93,93	0,208							
							783	1067	1130	1511	13032	94,22	0,208							
52	375								509	960	1410	12979	90,23	0,023	0,248	6				
		416							562	1000	1405	12911	90,91				0,247			
			436						589	1050	1405	12906	91,22					0,246		
				478					642	1100	1399	12853	91,82						0,245	
					498				670	1130	1399	12852	92,07							0,244
						581			776	1140	1394	12773	92,78							
						683		906	1150	1383	12671	93,60	0,243							
							735	970	1150	1378	12610	93,85	0,243							

* by field weakening at constant power

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IC06-17-37-86W

Wind. N°.	Base speed (rpm)								P (kW)	Max rpm*	I (A)	T (Nm)	η (%)	R _{arm} (Ohm)	L _{arm} (mH)	Select. code
	400	440	460	500	520	600	700	750								
53	353								482	950	1341	13043	89,92	0,025	0,277	6
		392							535	970	1341	13042	90,73		0,274	
			412						562	1000	1341	13040	91,08		0,273	
				450					615	1100	1341	13039	91,70		0,271	
					470				640	1100	1341	13018	91,82		0,270	
						548			745	1100	1341	13000	92,62		0,268	
							645		873	1100	1336	12939	93,42		0,266	
								694	935	1120	1330	12877	93,71		0,266	
54	333								440	860	1230	12633	89,44	0,030	0,320	6
		370							488	900	1230	12606	90,13		0,317	
			388						512	950	1230	12607	90,52		0,316	
				425					560	1040	1230	12586	91,03		0,314	
					444				584	1040	1230	12587	91,35		0,313	
						517			681	1040	1230	12574	92,24		0,309	
							610		801	1040	1230	12567	93,10		0,306	
								655	861	1040	1230	12548	93,33		0,305	

* by field weakening at constant power

When required max speed at constant power by field weakening is higher than speed indicated in column “max. rpm”, please contact SICMEMOTORI

Main features

		NP560KR6	NP560KR8
Field power	W	5000	
Inertia	Kgm ²	138	140
Max mechanical speed	rpm	1600	
Weight IC06	kg	5990	6070
Weight IC17-IC37	kg	5690	5770
Weight IC86W	kg	6490	6570
DE bearing	roller	NU236-C3	
NDE bearing	ball	6236-C3	

Blowers data (3x400 V – 50 Hz)

		IC06	IC17-37	IC86W
Blower ac motor	type	160M4A	--	160M4A
Power	kW	11	--	11
Current	A	21.5	--	21.5
Poles	N°.	4	--	4
Dissipated losses	kW	--	--	93
Water flow rate	m ³ /h	--	--	16
Water flanges	DIN2566	--	--	DN65
Air flow rate	m ³ /sec	--	4,17	--
Static pressure	Pa	--	1300	--