

Motor type NP630KR

IC06-17-37-86W

Wind. N°.	Base speed (rpm)								P (kW)	Max rpm*	I (A)	T (Nm)	η (%)	R <sub>arm</sub> (Ohm)	L <sub>arm</sub> (mH)	Select. code	
	400	440	460	500	520	600	700	750									
43	524								<b>934</b>	1080	2512	17017	92,93	0,009	0,099	8	
		580							<b>1032</b>	1080	2512	17012	93,40				0,099
			608						<b>1081</b>	1080	2512	17003	93,56				
				663					<b>1179</b>	1080	2512	16984	93,84				
					691				<b>1225</b>	1090	2507	16946	94,00				
						803			<b>1397</b>	1030	2465	16636	94,48				
44	492								<b>878</b>	1080	2369	17032	92,62	0,010	0,112	8	
		545							<b>970</b>	1080	2369	17014	93,04				
			571						<b>1017</b>	1080	2369	17015	93,28				
				623					<b>1109</b>	1080	2369	16999	93,60				
					650				<b>1150</b>	1090	2359	16920	93,78				
						754			<b>1315</b>	1100	2327	16658	94,23				
45	465								<b>812</b>	1090	2194	16687	92,51	0,011	0,128	8	
		515							<b>897</b>	1090	2194	16657	92,89				
			539						<b>940</b>	1090	2194	16662	93,15				
				588					<b>1026</b>	1090	2194	16654	93,53				
					614				<b>1068</b>	1090	2194	16642	93,65				
						713			<b>1239</b>	1090	2194	16618	94,12				
47	417								<b>725</b>	1070	1972	16640	91,94	0,014	0,160	8	
		461							<b>801</b>	1070	1972	16610	92,38				
			483						<b>841</b>	1070	1972	16617	92,68				
				528					<b>917</b>	1070	1972	16592	93,01				
					550				<b>955</b>	1070	1972	16581	93,16				
						640			<b>1110</b>	1070	1972	16577	93,82				
49	363								<b>653</b>	940	1791	17165	91,12	0,017	0,201	8	
		403							<b>723</b>	970	1791	17146	91,72				
			422						<b>759</b>	1010	1791	17161	92,10				
				462					<b>829</b>	1050	1791	17145	92,54				
					482				<b>864</b>	1050	1791	17138	92,74				
						560			<b>1004</b>	1050	1791	17114	93,39				
50	341								<b>614</b>	880	1685	17207	91,04	0,019	0,228	8	
		378							<b>679</b>	920	1685	17184	91,62				
			396						<b>712</b>	970	1685	17173	91,88				
				433					<b>779</b>	1000	1685	17179	92,45				
					451				<b>812</b>	1030	1685	17171	92,65				
						526			<b>943</b>	1040	1685	17142	93,29				
51	318								<b>571</b>	830	1585	17157	90,13	0,022	0,260	8	
		353							<b>634</b>	870	1585	17153	90,91				
			371						<b>665</b>	930	1585	17138	91,17				
				406					<b>727</b>	990	1585	17137	91,77				
					423				<b>758</b>	1030	1585	17125	91,97				
						492			<b>882</b>	1040	1585	17104	92,75				
						580			<b>1030</b>	1050	1574	16971	93,51	0,251	0,252		
							624		<b>1100</b>	1050	1564	16851	93,83				

\* by field weakening at constant power

Motor type NP630KR

IC06-17-37-86W

Wind. N°.	Base speed (rpm)								P (kW)	Max rpm*	I (A)	T (Nm)	η (%)	R <sub>arm</sub> (Ohm)	L <sub>arm</sub> (mH)	Select. code
	400	440	460	500	520	600	700	750								
52	300								543	800	1505	17258	90,14	0,024	0,290	6
		333							602	830	1505	17252	90,91		0,287	
			350						631	870	1505	17219	91,09		0,286	
				383					690	920	1505	17216	91,69		0,284	
					399				720	960	1505	17214	91,96		0,283	
						465			837	1020	1505	17188	92,72		0,281	
							548		985	1020	1505	17170	93,46		0,278	
								589	1058	1020	1505	17153	93,71		0,277	
53	283								507	750	1415	17105	89,51	0,027	0,327	6
		315							562	780	1415	17077	90,23		0,324	
			330						590	820	1415	17095	90,70		0,323	
				361					646	890	1415	17071	91,24		0,320	
					377				673	940	1415	17060	91,47		0,319	
						440			784	1010	1415	17050	92,38		0,316	
							517		922	1020	1415	17015	93,10		0,313	
								557	992	1020	1415	17019	93,48		0,312	

\* 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

		NP630KR6	NP630KR8
Field power	W	5400	
Inertia	Kgm <sup>2</sup>	216	224
Max mechanical speed	rpm	1500	
Weight IC06	kg	7830	8130
Weight IC17-IC37	kg	7450	7750
Weight IC86W	kg	8350	8650
DE bearing	roller	NU238-C3	
NDE bearing	ball	6238-C3	

Blowers data (3x400 V – 50 Hz)

		IC06	IC17-37	IC86W
Blower ac motor	type	160L4A	--	160M4A
Power	kW	15	--	11
Current	A	28,5	--	21,5
Poles	N°.	4	--	4
Dissipated losses	kW	--	--	93
Water flow rate	m <sup>3</sup> /h	--	--	16
Water flanges	DIN2566	--	--	DN65
Air flow rate	m <sup>3</sup> /sec	--	4,64	--
Static pressure	Pa	--	1300	--