

**DIRECT CURRENT MOTORS "CP" HEAVY LINE**  
IP44 execution, closed, watertight not to dipping, with outdoor ventilation

POWER EXPRESSED in **kW** and **CV**

TYPE	SPEED IN REV/MIN												Highest excitation power
	1000		1250		1600		2000		2500		3150		
	kW	CV	kW	CV	kW	CV	kW	CV	kW	CV	kW	CV	Watt
<b>CP 80/ 7</b>	0,16	0,22	0,19	0,26	0,23	0,32	0,27	0,37	0,34	0,47	0,41	0,56	30
<b>CP 80/10</b>	0,22	0,3	0,27	0,37	0,33	0,45	0,39	0,53	0,49	0,67	0,58	0,8	36
<b>CP 80/14</b>	0,31	0,43	0,39	0,53	0,46	0,63	0,55	0,75	0,7	0,95	0,82	1,12	42
<b>CP 80/16</b>	0,36	0,5	0,44	0,6	0,53	0,72	0,62	0,85	0,73	1	0,96	1,3	50
<b>CP 104/10</b>	0,55	0,75	0,7	0,95	0,86	1,18	1,03	1,4	1,17	1,6	1,47	2	53
<b>CP 104/14</b>	0,82	1,12	0,97	1,32	1,17	1,6	1,4	1,9	1,73	2,36	2,2	3	60
<b>CP 104/16</b>	0,94	1,28	1,1	1,5	1,32	1,8	1,6	2,18	2	2,75	2,5	3,4	70
<b>CP 120/12</b>	1,1	1,5	1,4	1,9	1,73	2,36	1,95	2,65	2,46	3,35	2,94	4	90
<b>CP 120/16</b>	1,56	2,12	1,95	2,65	2,31	3,15	2,75	3,75	3,5	4,75	4,11	5,6	100

ARMOUR TENSION <440V  
FORM FACTOR = 1

**DOWNGRADING OF THE EMITTED POWERS FOR STEADY TORQUE**

Speed adjusting ratio for continuous service	Required power compared to the catalogue one	List power compared to the required one
da/from 1 a/to 5	<b>80%</b>	<b>125%</b>
da/from 1 a/to 10	<b>70%</b>	<b>143%</b>
da/from 1 a/to 20 o più/or more	<b>67%</b>	<b>150%</b>

NOTE - The value referred to the delivered power is influenced by the type of feeding.  
Size of the machine must be adapted according to the following rectifying factor:

FEEDING FROM THREE-PHASE BRIDGE	fully controlled=	<b>1</b>
FEEDING FROM THREE-PHASE BRIDGE	partially controlled =	<b>1,15</b>
FEEDING FROM SINGLE-PHASE BRIDGE	partially controlled =	<b>1,4</b>