

Pumps for motors NTC series

Pumps series NTC are exactly what you need for your rain irrigation system.

Connection is performed directly to the motors of 45 to 180 HP – 33 to 130 KW.

The various pump models and the wide range of graduated ratios allow users to match the right fitting to every type of motor.

Pumps NTC series are comprised of:


A MULTIPLIER that includes a pair of cylinder-shaped gears, helical hardened and cemented teeth, installed onto heavy-duty roller-type or ball-type cone-shaped bearings.

CENTRIFUGAL PUMP equipped with a carefully balanced impeller to avoid vibrations. Impeller is installed onto a hardened, cemented and ground shaft.


Thanks to the multiplier oil-bath lubrication and to the water-circulation cooling system, temperature does not raise much, thus allowing a long-timed machine operation.

A wide range of ratios makes series NTC **compatible** with all motors both Italian and foreign.


	Impeller revs. revs.min.	Capacity Lt/min.	Prevalence Mt.	Absorbed Power KW
NTC 80 left-handed helical impeller Power range from: 45 to 65 HP 33 to 47 KW	3.200	1.000	81,5	22
		1.500	80,5	27
		2.000	77	33
		2.500	69	38
	3.400	1.000	94,4	26
		1.500	92,6	34
		2.000	88	40
		2.500	80	45
	3.600	1.000	106	30
		1.500	104	38
		2.000	99	45
		2.500	92	52




	Impeller revs. revs.min.	Capacity Lt/min.	Prevalence Mt.	Absorbed Power KW
NTC 100 left-handed helical impeller Power range from: 60 to 90 HP 43 to 65 KW	3.200	1.000	81,5	22
		1.500	80,5	27
		2.000	77	33
		2.500	69	38
	3.400	1.000	94,4	26
		1.500	92,6	34
		2.000	88	40
		2.500	80	45
	3.600	1.000	106	30
		1.500	104	38
		2.000	99	45
		2.500	92	52




	Impeller revs. revs.min.	Capacity Lt/min.	Prevalence Mt.	Absorbed Power KW
F 83 left-handed helical impeller Power range from: 60 to 90 HP 43 to 65 KW	3.400	500	105,6	17
		1.000	101,6	25
		1.500	94,6	37
	3.600	500	116,2	18
		1.000	111,8	30
		1.500	104,1	39
	3.800	500	131	23
		1.000	128,8	34
		1.500	122,4	46




NTC 120 SPECIAL left helical impeller	Impeller revs. revs.min.	Capacity Lt/min.	Prevalence Mt.	Absorbed Power KW
	3.000	800	105,6	30
1.600		108	42	
2.400		101,6	57	
3.200	800	118,3	37	
	1.600	121	52	
	2.400	114	67	
Power range from: 80 to 120 HP 58 to 87 KW	3.400	800	135,2	47
		1.600	138,4	62
		2.400	133,6	80




F 82/2 2 left-handed helical impellers	Impeller revs. revs.min.	Capacity Lt/min.	Prevalence Mt.	Absorbed Power KW
	2.600	500	118	20
1.000		114	28	
1.500		102	38	
2.000		80	41	
2.900	500	145	24	
	1.000	143	35	
	1.500	134	49	
	2.000	110	54	
Power range from: 80 to 120 HP 58 to 87 KW	3.200	500	174	29
		1.000	172	42
		1.500	166	61
		2.000	146	71





F 82/2 SPECIAL 2 left-handed helical impeller	Impeller revs. revs.min.	Capacity Lt/min.	Prevalence Mt.	Absorbed Power KW
	2.600	500	118	20
1.000		114	28	
1.500		102	38	
2.000		80	41	
2.900	500	145	24	
	1.000	143	35	
	1.500	134	49	
	2.000	110	54	
Power range from: 80 a 120 HP 58 a 87 KW	3.200	500	174	29
		1.000	172	42
		1.500	166	61
		2.000	146	71



F 10/2 2 left-handed helical impeller	Impeller revs. revs.min.	Capacity Lt/min.	Prevalence Mt.	Absorbed Power KW
	2.400	500	105	25
1.000		101	29	
2.000		83	40	
3.000		48	47	
2.600	500	122	29	
	1.000	120	35	
	2.000	102	49	
	3.000	68	58	
Power range from: 95 a 130 HP 65 a 95 KW	2.900	500	155	38
		1.000	150	45
		2.000	135	61
		3.000	100	75



NTC 125 left-handed helical impeller	Impeller revs. revs.min.	Capacity Lt/min.	Prevalence Mt.	Absorbed Power KW	
	3.000	2.000 2.500 3.000 3.500	109 104 100 93	51 61 72 80	
Power range from: 110 to 160 HP 80 to 116 KW	3.200	2.000 2.500 3.000 3.500	124 120 116 110	62 72 80 91	
	3.400	2.000 2.500 3.000 3.500	138 136 132 125	70 83 93 103	

NTC 125/150 G24 left-handed helical impeller	Impeller revs. revs.min.	Capacity Lt/min.	Prevalence Mt.	Absorbed Power KW				
	2.400	2.500 2.750 3.000 3.250 3.500 3.750 4.000 4.250 4.500	70 68 65 63 60 57 53 50 -	42 45 46 49 50 51 51 51 -				
Power range from: 110 to 180 HP 80 to 130 KW	2.600	2.500 2.750 3.000 3.250 3.500 3.750 4.000 4.250 4.500	84 83 80 78 75 72 67 63 58	50 54 57 60 62 63 64 65 62				
		2.800	2.500 2.750 3.000 3.250 3.500 3.750 4.000 4.250 4.500	99 98 96 93 90 88 85 80 75	58 64 68 71 74 78 80 80 80			
			3.000	2.500 2.750 3.000 3.250 3.500 3.750 4.000 4.250 4.500	116 115 112 110 107 105 102 98 95	68 75 80 85 88 93 96 99 101		
				3.200	2.500 2.750 3.000 3.250 3.500 3.750 4.000 4.250 4.500	133 132 128 125 123 120 115 113 108	78 86 91 96 101 107 109 114 116	

**SAE bell housing 3-4 for NTC 100, NTC 120 SPECIAL, NTC
F82/2, NTC F82/2 SPECIAL, F10/2, NTC 125,
NTC 125/150 G15 series**



The data above have been collected after carrying out some tests in our lab and are to be considered approximate.