

Pumps for Tractors NT series NT

Pumps series NT are exactly what you need for your sprinkler irrigation system. Connection is performed between its cardan shaft and the tractors power takeoff from 18 to 180 HP 13 to 130 KW.

The various pump models and the **wide range** of graduated ratios allow users to match the right fitting to their tractors power takeoff from 540 to 1,100 revs/min.


Pumps series NT 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 NT **compatible** with all models of tractors, both Italian and foreign.

	Impeller revs. revs/min.	Capacity Lt/min.	Prevalence Mt.	Absorbed Power KW	
NT 60 right-handed helical impeller	3.400	600	57	9	
		800	56	11	
		1.000	53	12	
		1.200	49	13	
Power range from	3.600	600	64	11	
		800	62,5	12	
		1.000	60,5	14	
		1.200	57	16	
18 to 40 HP 13 to 29 KW	3.800	600	71	13	
		800	70	14	
		1.000	68	17	
		1.200	65	18	


	Impeller revs. revs/min.	Capacity Lt/min.	Prevalence Mt.	Absorbed Power KW	
NT 80 right-handed helical impeller	3.400	1.000	77,5	21	
		1.500	75	18	
		2.000	69,5	31	
		2.500	61,5	34	
Power range from	3.600	1.000	87	23	
		1.500	65	30	
		2.000	80	36	
		2.500	72	39	
45 to 65 HP 33 to 47 KW	3.800	1.000	96	28	
		1.500	94	34	
		2.000	90	40	
		2.500	82,5	45	

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


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




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




F 82/2 2 right- handed helical impellers	Impeller revs. revs/min.	Capacity Lt/min.		Prevalence Mt.		Absorbed Power KW				
		500	1.000	1.500	133	125	100	20	30	38
Power range from 80 to 120 HP 58 to 87 KW	2.800	500	1.000	1.500	73	154	147	123	99	50
		3.000	500	1.000	1.500	174	168	147	29	48




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





F 10/2 right-handed helical impeller Power range from 90 to 130 HP 65 to 95 KW	Impeller revs. revs/min.	Capacity Lt/min.	Prevalence Mt.	Absorbed Power KW
	2.400	500	105	25
		1.000	101	29
		1.500	95	35
		2.000	83	40
		2.500	75	42
		2.700	60	44
	2.600	3.000	48	47
		500	122	29
		1.000	120	35
		1.500	113	41
		2.000	102	49
		2.500	92	51
2.900	2.700	79	53	
	3.000	68	58	
	500	155	38	
	1.000	150	45	
	1.500	145	54	
	2.000	135	61	
2.500	120	69		
2.700	108	72		
3.000	100	75		



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



NT 125/150 G24 right-handed helical impeller	Giri girante giri/min.	Portata Lt/min.	Prevalenza Mt.	Potenza assorbita KW	
	power range from 110 a 180 HP 80 a 130 KW	2.400	2.500	70	
2.750			68	45	
3.000			65	46	
3.250			63	49	
3.500			60	50	
3.750			57	51	
4.000			53	51	
4.250			50	51	
2.600		4.500	-	-	
		2.500	84	50	
		2.750	83	54	
		3.000	80	57	
		3.250	78	60	
		3.500	75	62	
2.800	3.750	72	63		
	4.000	67	64		
	4.250	63	65		
	4.500	58	62		
	2.500	99	58		
	2.750	98	64		
	3.000	96	68		
3.000	3.250	93	71		
	3.500	90	74		
	3.750	88	78		
	4.000	85	80		
	4.250	80	80		
	4.500	75	80		
	2.500	116	68		
	2.750	115	75		
3.200	3.000	112	80		
	3.250	110	85		
	3.500	107	88		
	3.750	105	93		
	4.000	102	96		
	4.250	98	99		
	4.500	95	101		
	2.500	133	78		
2.750	132	86			
3.000	128	91			
3.250	125	96			
3.500	123	101			
3.750	120	107			
4.000	115	109			
4.250	113	114			
4.500	108	116			

NT 150 SLIDING right-handed helical impeller	Giri girante giri/min.	Portata Lt/min.	Prevalenza Mt.	Potenza assorbita KW	
	Power range from 20 to 45 HP 14 to 33 KW	1.400	3.500	18	
4.500			17,2	17	
5.500			16,5	20	
6.000			16	21	
1.656	1.656	3.500	22	17	
		4.500	21	21	
		5.500	20,5	25	
6.000	20	27			

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