

BROCHURE ON-ONM SERIES

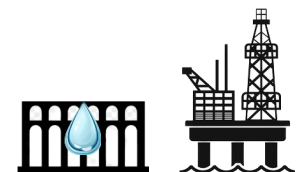
BIRAGHI POMPE 1906



- *ITALIAN QUALITY*
- *SINCE 1906*

Circulating Centrifugal Process Pumps

2024



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ON-ONM PROCESS PUMP

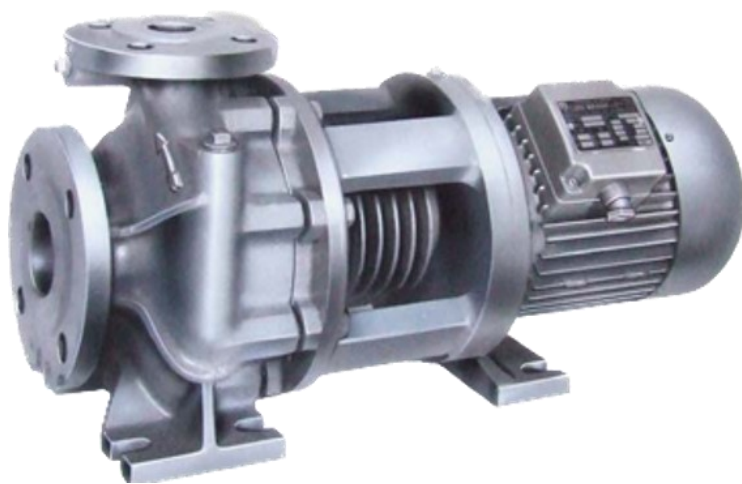
The ON series derives from our standardized Series N, designed according to ISO 2858. The ON pumps are end-suction single stage centrifugal units, of the back pull-out type, such to allow removal for the rotor-support block without disconnecting the pump casing from the pipes and if supplied with a spacer, without removing the motor.

The support stem is externally finned to allow an efficient heat transmission and limit to tolerable value the operating temperature of the inside bearing. Ports flanges are according to standard UNI 2278.

The casing, the cover, the support stem and its supporting foot are in spheroidal iron GS 400/12 – UNI 4544/74, with a prevailing ferritic structure and a good resilience.

The impeller is in alloyed iron G25-UNI 5007. Special materials, specifically studied, have been employed for the mechanical seal and the cover bushing.

All materials like copper and its alloys are excluded as they can act as catalyzers in the oxidation reactions of the pumped oil, thus degrading the oil quality.



Capacitiy	to 2000 m ³ /hr
Head	to 160 m
Max working	to 16 bar
Temperature	to 350 C°

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APPLICATION

To generally transfer oils:

⇒ Hot oils conveying

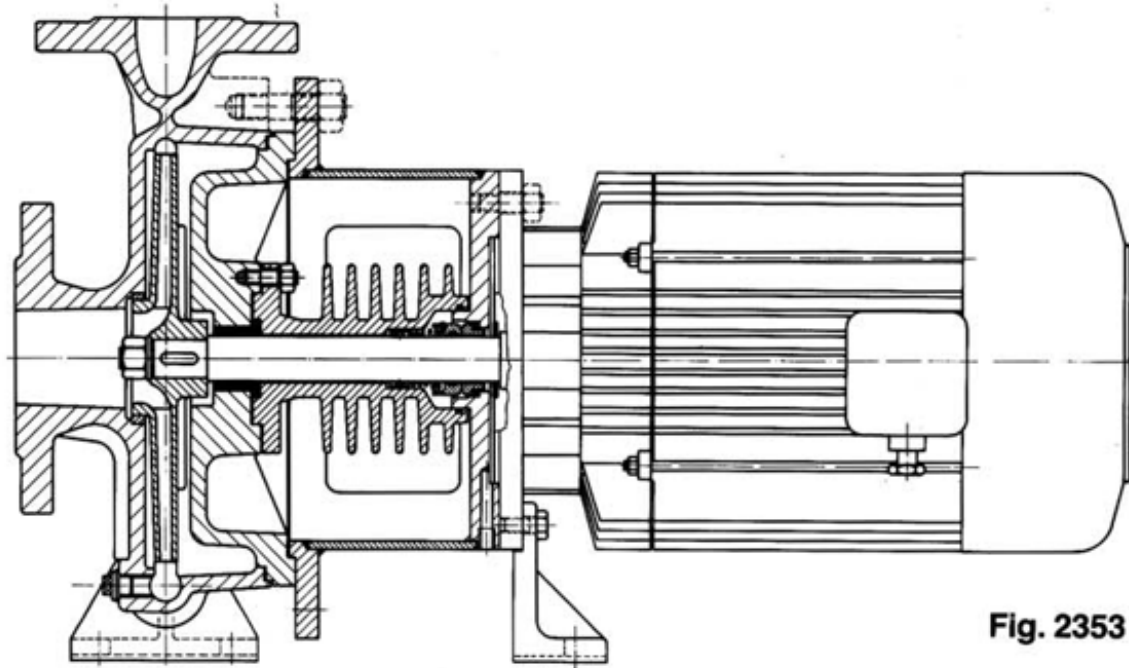
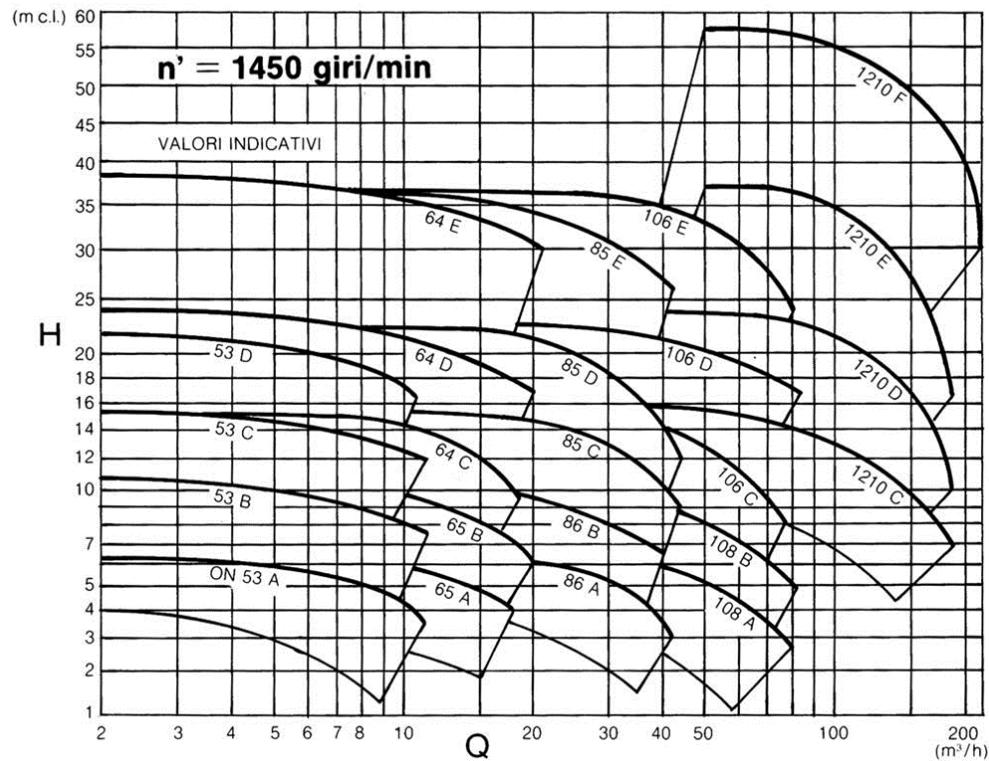


Fig. 2353

The figure 2353 shows the close-coupled version of ON that is called ONM, in which some sizes (up to the size 106) of the series can be manufactured.

The electric pumps ONM are conveniently employed in the circulation of hot oils at operating temperature up to 240 C°, particularly to move quenching oils.

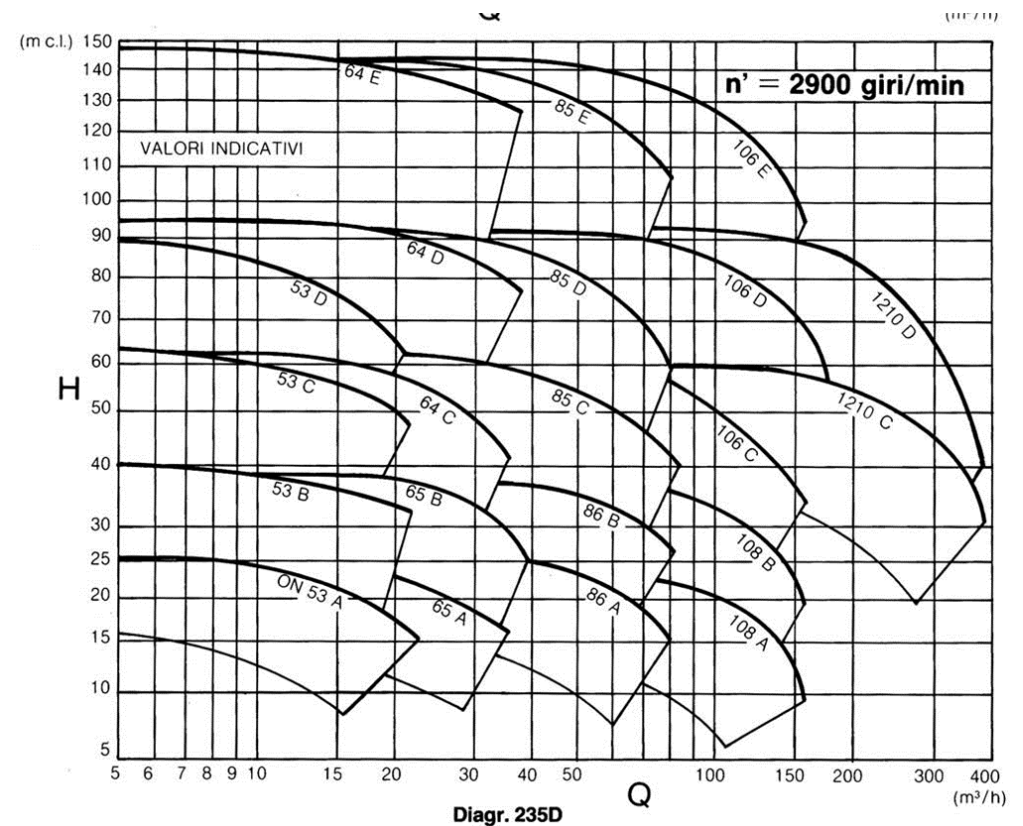
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REVOLUTION DIRECTION:

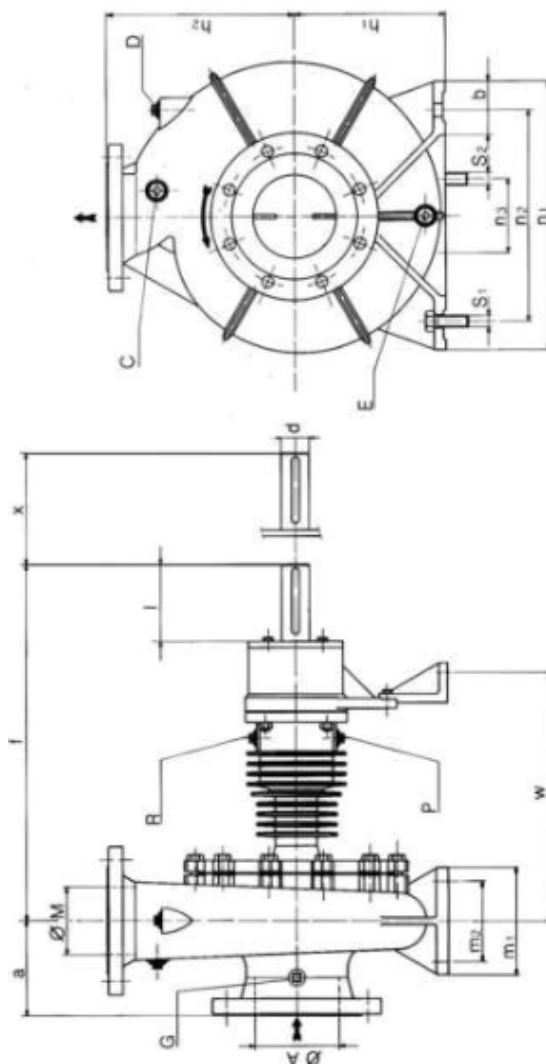
Clock wise direction, looking from driving end.

OPERATING DATA



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OVERALL SIZES



Modello Model	Dimensioni in mm (non impegnative) – Sizes in mm (approximate)																	
	Pompa – Pump							Albero - Shaft				Spazio per lo smontaggio	Attacchi - Connections					
	L	a	f	c ₁	c ₂	h ₁	h ₂	D	l	e	f	x	A	B	C	D	E	
ON 25-125	465	80	385	90	95	112	140	24	50	27	8	100	1/4"G	3/8"G	1/4"G	1/4"G	1/4"G	
ON 25-160	465	80	385	108	110	132	160	24	50	27	8	100	1/4"G	3/8"G	1/4"G	1/4"G	1/4"G	
ON 25-200	465	80	385	128	133	160	180	24	50	27	8	100	1/4"G	3/8"G	1/4"G	1/4"G	1/4"G	
ON 25-250	600	100	500	166	166	180	225	32	80	35,5	10	100	1/4"G	3/8"G	1/4"G	1/4"G	1/4"G	
ON 32-125	465	80	385	99	106	112	140	24	50	27	8	100	1/4"G	3/8"G	1/4"G	1/4"G	1/4"G	
ON 32-160	465	80	385	121	121	132	160	24	50	27	8	100	1/4"G	3/8"G	1/4"G	1/4"G	1/4"G	
ON 32-200	465	80	385	139	139	160	180	24	50	27	8	100	1/4"G	3/8"G	1/4"G	1/4"G	1/4"G	
ON 32-250	600	100	500	166	166	180	225	32	80	35,5	10	100	1/4"G	3/8"G	1/4"G	1/4"G	1/4"G	
ON 40-125	465	80	385	106	117	112	140	24	50	27	8	100	1/4"G	3/8"G	1/4"G	1/4"G	1/4"G	
ON 40-160	465	80	385	121	130	132	160	24	50	27	8	100	1/4"G	3/8"G	1/4"G	1/4"G	1/4"G	
ON 40-200	485	100	385	139	145	160	180	24	50	27	8	100	1/4"G	3/8"G	1/4"G	1/4"G	1/4"G	
ON 40-250	600	100	500	166	168	180	225	32	80	35,5	10	100	1/4"G	3/8"G	1/4"G	1/4"G	1/4"G	
ON 40-315	625	125	500	200	200	200	350	32	80	35,5	10	100	1/4"G	3/8"G	1/4"G	1/4"G	1/4"G	
ON 50-125	485	100	385	122	141	132	160	24	50	27	8	100	1/4"G	3/8"G	1/4"G	1/4"G	1/4"G	
ON 50-160	485	100	385	134	149	160	180	24	50	27	8	100	1/4"G	3/8"G	1/4"G	1/4"G	1/4"G	
ON 50-200	485	100	385	148	160	160	200	24	50	27	8	100	1/4"G	3/8"G	1/4"G	1/4"G	1/4"G	
ON 50-250	625	125	500	167	179	180	225	32	80	35,5	10	100	1/4"G	3/8"G	1/4"G	1/4"G	1/4"G	
ON 50-315	625	125	500	200	209	225	280	32	80	35,5	10	100	1/4"G	3/8"G	1/4"G	1/4"G	1/4"G	
ON 65-125	485	100	385	140	167	160	180	24	50	27	8	100	3/8"G	3/8"G	3/8"G	1/4"G	1/4"G	
ON 65-160	600	100	500	147	169	160	200	32	80	35,5	10	100	3/8"G	3/8"G	3/8"G	1/4"G	1/4"G	
ON 65-200	600	100	500	163	182	180	225	32	80	35,5	10	140	3/8"G	3/8"G	3/8"G	1/4"G	1/4"G	
ON 65-250	625	125	500	180	197	200	250	32	80	35,5	10	140	3/8"G	3/8"G	3/8"G	1/4"G	1/4"G	
ON 65-315	655	125	530	208	222	225	280	42	110	45,5	12	140	3/8"G	3/8"G	3/8"G	1/4"G	1/4"G	
ON 80-160	625	125	500	153	192	180	225	32	80	35,5	10	140	3/8"G	3/8"G	3/8"G	1/4"G	1/4"G	
ON 80-200	625	125	500	160	189	180	250	32	80	35,5	10	140	3/8"G	3/8"G	3/8"G	1/4"G	1/4"G	
ON 80-250	625	125	500	185	210	225	280	32	80	35,5	10	140	3/8"G	3/8"G	3/8"G	1/4"G	1/4"G	
ON 80-315	655	125	530	224	248	250	315	42	110	45,5	12	140	3/8"G	3/8"G	3/8"G	1/4"G	1/4"G	
ON 80-400	655	125	530	254	276	280	355	42	110	45,5	12	140	3/8"G	3/8"G	3/8"G	1/4"G	1/4"G	
ON 100-200	625	125	500	182	212	200	280	32	80	35,5	10	140	3/8"G	3/8"G	3/8"G	1/4"G	1/4"G	
ON 100-250	670	140	530	204	231	225	280	42	110	45,5	12	140	3/8"G	3/8"G	3/8"G	1/4"G	1/4"G	
ON 100-315	670	140	530	226	245	250	315	42	110	45,5	12	140	3/8"G	3/8"G	3/8"G	1/4"G	1/4"G	
ON 100-400	670	140	530	262	282	280	355	42	110	45,5	12	140	3/8"G	3/8"G	3/8"G	1/4"G	1/4"G	
ON 125-160	640	140	500	170	210	225	280	32	80	35,5	12	140	1/2"G	1/2"G	1/2"G	1/4"G	1/4"G	
ON 125-200	640	140	500	180	205	225	315	32	80	35,5	12	140	1/2"G	1/2"G	1/2"G	1/4"G	1/4"G	
ON 125-250	670	140	530	226	275	250	355	42	110	45,5	12	140	1/2"G	1/2"G	1/2"G	1/4"G	1/4"G	
ON 125-315	670	140	530	233	267	280	355	42	110	45,5	12	140	1/2"G	1/2"G	1/2"G	1/4"G	1/4"G	
ON 125-400	670	140	530	264	298	315	400	42	110	45,5	12	140	1/2"G	1/2"G	1/2"G	1/4"G	1/4"G	
ON 150-250	690	160	530	230	300	280	375	42	110	45,5	12	180	1/2"G	1/2"G	1/2"G	1/4"G	1/4"G	
ON 150-315	830	160	670	242	295	315	400	48	140	51,5	14	180	1/2"G	1/2"G	1/2"G	1/4"G	1/4"G	
ON 150-400	830	160	670	289	332	315	450	48	140	51,5	14	180	1/2"G	1/2"G	1/2"G	1/4"G	1/4"G	
ON 200-315	855	200	655	251	352	350	450	48	140	51,5	14	180	3/4"G	3/4"G	3/4"G	1/4"G	1/4"G	
ON 200-400	885	180	705	310	376	350	525	48	140	51,5	14	180	3/4"G	3/4"G	3/4"G	1/4"G	1/4"G	
ON 250-400	1005	225	780	349	419	400	600	65	140	69	18	180	3/4"G	3/4"G	3/4"G	1/4"G	1/4"G	
ON 300-315	1020	300	720	362	438	500	670	55	140	59	16	240	3/4"G	3/4"G	3/4"G	1/4"G	1/4"G	
ON 300-400	1115	325	790	390	468	400	640	65	140	69	18	240	3/4"G	3/4"G	3/4"G	1/4"G	1/4"G	

Biraghi Pompe 1906 Plants



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