



CARATTERISTICHE / CHARACTERISTICS / CARACTERISTICAS / CARATERISTIQUES

UTILIZZI - Pompe centrifughe monoblocco ad asse orizzontale costruite secondo le norme EN 733; trovano vasto utilizzo nell'alimentazione idrica, negli impianti di pressurizzazione e antincendio; come standard vengono fornite di contro flangia.

CARATTERISTICHE COSTRUTTIVE - Corpo pompa in ghisa con bocche flangiate normalizzate; supporto motore in ghisa; girante in ghisa, a richiesta in bronzo; tenuta meccanica in ceramica - grafite; albero motore in acciaio AISI 304 per la parte idraulica; cuscinetti a sfere di primaria azienda mondiale; temperatura del liquido 0 - 90 °C; pressione di esercizio max. 10 bar.

MOTORE - Motore elettrico ad induzione a 2 poli adatto a servizio continuo; lamierini per statore a bassa perdita specifica; isolamento in Classe F; protezione IP 55; per tutti i modelli la protezione termica è a cura dell'utente.

A RICHIESTA - Altri voltaggi e frequenze di funzionamento; tenuta meccanica speciale; liquidi particolari.

USES - Monobloc horizontal centrifugal pumps, constructed to EN 733 standards; widely used in water supplies, pressurisation and fire-fighting systems, standard supply with counter-flange.

CONSTRUCTION FEATURES - Cast iron pump casing with standardised flanged openings; cast iron motor bracket; impeller in cast iron, on request in bronze; ceramic - graphite mechanical seal; motor shaft in AISI 304 steel on the hydraulic side; world leading brand ball bearings; liquid temperature range 0 - 90 °C; max. operating pressure 10 bar.

MOTOR - 2 pole electric induction motor for continuous operations; stator made with low-loss laminated electric sheet steel; insulation Class F; IP 55 protection level; the user is responsible for supplying thermal protection on all models.

ON REQUEST - Other operating voltages and frequencies; special mechanical seal; special liquids.

UTILIZACIONES - Bombas centrífugas monobloque de eje horizontal fabricadas según las normas EN 733; se utilizan en gran parte en la alimentación hídrica, en las instalaciones de presurización y antiincendio; según el estándar se suministran con contrabrida.

CARACTERÍSTICAS CONSTRUCTIVAS - Cuerpo bomba de fundición con bocas bridadas normalizadas; soporte motor de fundición; rodete de fundición, sobre pedido de bronce; sello mecánico de cerámica - grafito; eje motor de acero AISI 304 para la parte hidráulica; cojinetes de bolas de empresa primaria mundial; temperatura del líquido 0 - 90 °C; presión de trabajo máx. 10 bar.

MOTOR - Motor eléctrico de inducción de 2 polos apropiado para servicio continuo; láminas para estator con baja pérdida específica; aislamiento de Clase F; protección IP 55; para todos los modelos de la protección térmica se encarga el usuario.

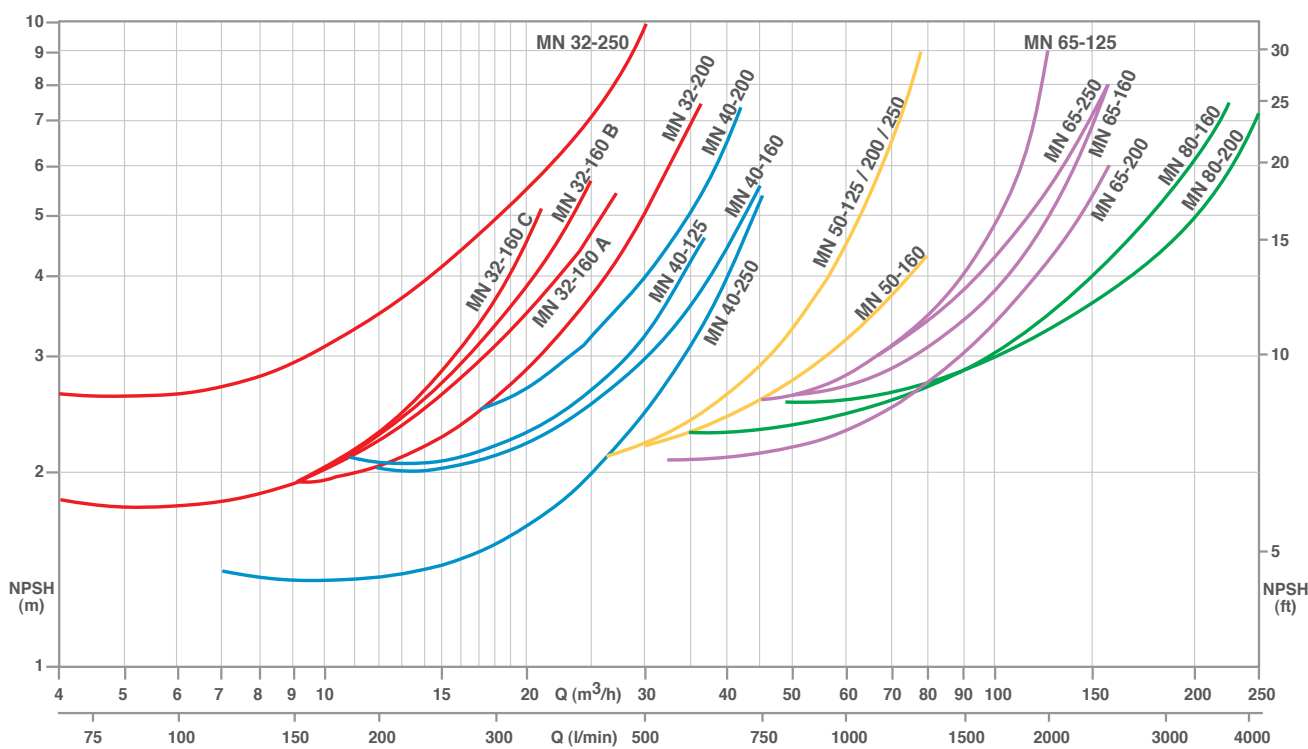
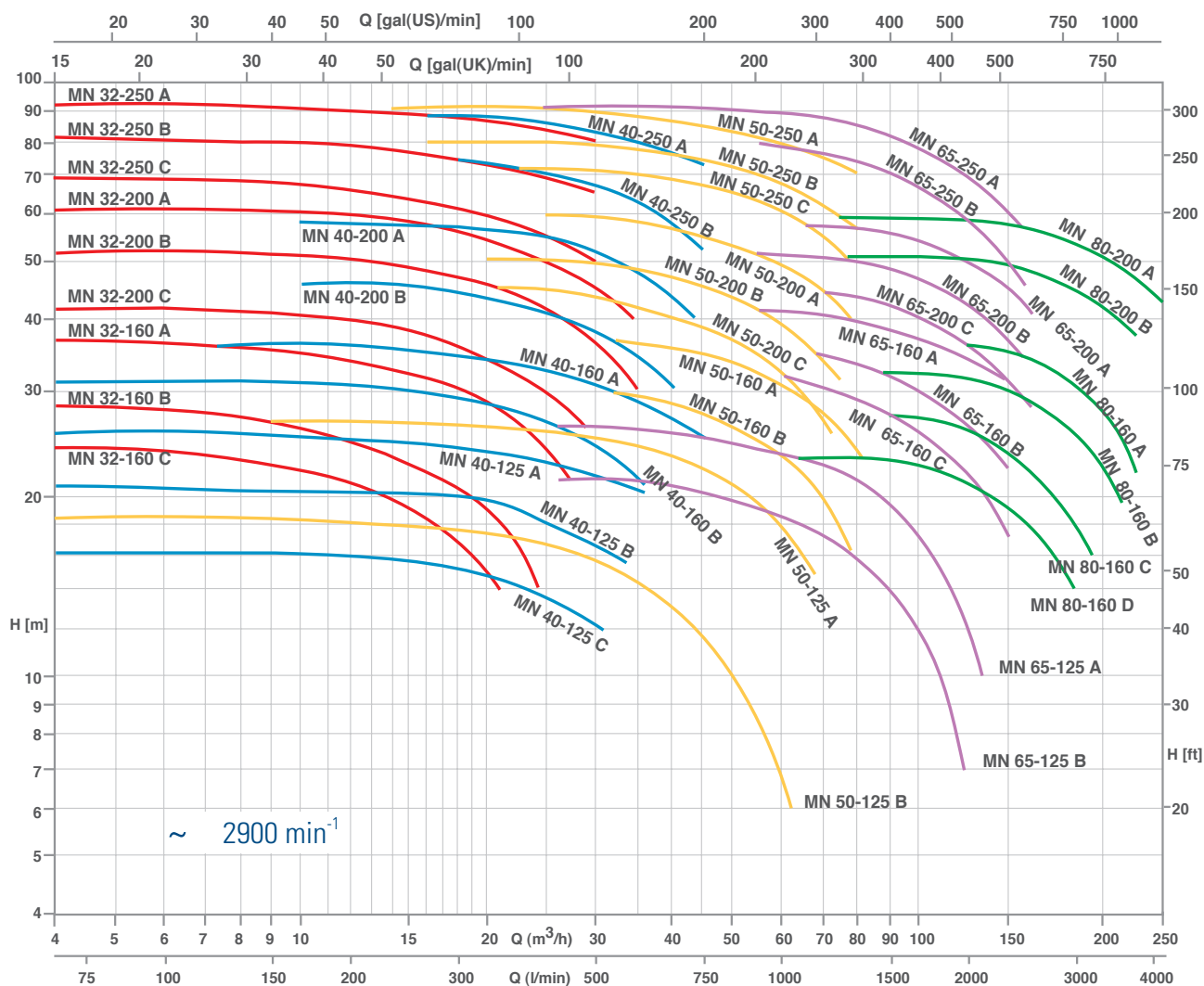
SOBRE PEDIDO - Otros voltajes y frecuencias de funcionamiento; sello mecánico especial; líquidos particulares.

UTILISATION - Pompes centrifuges monobloc à axe horizontal, fabriquées conformément aux normes EN 733. Elles trouvent une ample utilisation dans l'alimentation d'eau, dans les installations de pressurisation et anti-incendie; fournies de série avec contre-bride.

CARACTÉRISTIQUES D'EXÉCUTION - Corps de pompe en fonte avec brides normalisées; support moteur en fonte; roue en fonte ou, sur demande, en bronze; garniture mécanique en céramique - graphite; arbre moteur en acier AISI 304 pour la partie hydraulique; roulements à billes de marque leader au niveau mondial; température du liquide 0 - 90 °C; pression max. de fonctionnement: 10 bars.

MOTEUR - Moteur électrique à induction à 2 pôles adapté pour service continu; tôles pour stator à faible perte spécifique; isolation Classe F; protection IP 55; pour tous les modèles, la protection thermique est à la charge de l'utilisateur.

SUR DEMANDE - Autres voltages et fréquences de fonctionnement; garniture mécanique spéciale; liquides spéciaux.



centrifugal ELECTRIC PUMPS

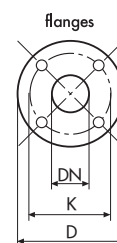
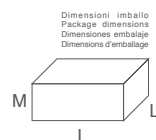
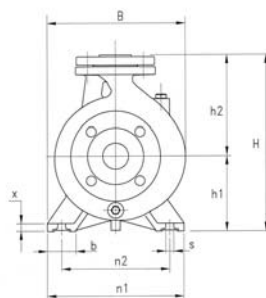
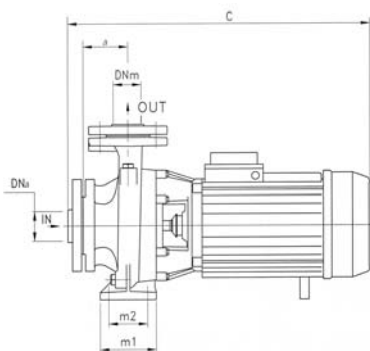
ELECTROPOMPE centrifuges

ELETCTROBOMBAS centrifugas

MN

ELETTROPOMPE
centrifughe

Dimensioni / Dimensions / Dimensiones / Dimensions



DIMENSIONS (mm)				
DN	D	K	holes	
			n°	ø
32	140	100	4	18
40	150	110	4	18
50	165	125	4	18
65	185	145	4	18
80	200	160	4	18
100	220	180	8	18

TIPO / TYPE MODELO / MODÈLE	DIMENSIONI / DIMENSIONS / DIMENSIONES / DIMENSIONS (mm)																		
	DNm	DNa	a	h1	h2	m1	m2	n1	n2	b	x	s	C	B	H	I	L	M	
MN 32-160 C	32	50	80	132	160	100	70	240	190	50	12	14	490	240	292	520	260	355	38
MN 32-160 B	32	50	80	132	160	100	70	240	190	50	12	14	490	240	292	520	260	355	39
MN 32-160 A	32	50	80	132	160	100	70	240	190	50	12	14	490	240	292	520	260	355	42
MN 32-200 C	32	50	80	160	180	100	70	240	190	50	12	14	505	268	340	530	305	400	51,5
MN 32-200 B	32	50	80	160	180	100	70	240	190	50	12	14	565	268	340	615	310	460	63
MN 32-200 A	32	50	80	160	180	100	70	240	190	50	12	14	565	268	340	615	310	460	69
MN 32-250 C	32	50	100	180	225	125	95	320	250	65	12	14	625	305	405	665	335	535	83
MN 32-250 B	32	50	100	180	225	125	95	320	250	65	14	14	625	305	405	665	335	535	90
MN 32-250 A	32	50	100	180	225	125	95	320	250	65	14	14	695	305	405	735	355	535	120
MN 40-125 C	40	65	80	112	140	100	70	210	160	50	12	14	495	220	252	520	260	355	36
MN 40-125 B	40	65	80	112	140	100	70	210	160	50	12	14	495	220	252	520	260	355	37
MN 40-125 A	40	65	80	112	140	100	70	210	160	50	12	14	495	220	252	520	260	355	40
MN 40-160 B	40	65	80	132	160	100	70	240	190	50	12	14	500	245	292	520	260	355	47
MN 40-160 A	40	65	80	132	160	100	70	240	190	50	15	14	500	245	292	520	260	355	50
MN 40-200 B	40	65	100	160	180	100	70	265	212	50	15	14	590	273	340	615	310	460	65
MN 40-200 A	40	65	100	160	180	100	70	265	212	50	15	14	590	273	340	615	310	460	71
MN 40-250 B	40	65	100	180	225	125	95	320	250	65	15	14	630	322	405	665	335	535	91
MN 40-250 A	40	65	100	180	225	125	95	320	250	65	15	14	700	322	405	735	355	535	121
MN 50-125 B	50	65	100	132	160	100	70	240	190	50	12	14	525	250	292	520	260	355	47
MN 50-125 A	50	65	100	132	160	100	70	240	190	50	12	14	525	250	292	520	260	355	50
MN 50-160 B	50	65	100	150	180	100	70	265	212	50	12	14	590	270	340	615	310	460	65
MN 50-160 A	50	65	100	150	180	100	70	265	212	50	12	14	590	270	340	615	310	460	71
MN 50-200 C	50	65	100	160	200	100	70	265	212	50	12	14	635	290	360	665	335	535	82
MN 50-200 B	50	65	100	160	200	100	70	265	212	50	12	14	635	290	360	665	335	535	89
MN 50-200 A	50	65	100	160	200	100	70	265	212	50	12	14	705	290	360	735	355	535	122
MN 50-250 C	50	65	100	180	225	125	95	320	250	65	14	14	705	332	405	735	355	535	125
MN 50-250 B	50	65	100	180	225	125	95	320	250	65	14	14	750	332	405	815	355	535	140
MN 50-250 A	50	65	100	180	225	125	95	320	250	65	14	14	750	332	405	815	355	535	149
MN 65-125 B	65	80	100	160	180	125	95	280	212	65	14	14	605	280	340	615	310	460	64
MN 65-125 A	65	80	100	160	180	125	95	280	212	65	14	14	605	280	340	615	310	460	70
MN 65-160 C	65	80	100	160	200	125	95	280	212	65	14	14	635	290	360	665	335	535	84
MN 65-160 B	65	80	100	160	200	125	95	280	212	65	14	14	635	290	360	665	335	535	90
MN 65-160 A	65	80	100	160	200	125	95	280	212	65	14	14	705	290	360	735	355	535	120
MN 65-200 C	65	80	100	180	225	125	95	320	250	65	14	14	705	330	405	735	355	535	122
MN 65-200 B	65	80	100	180	225	125	95	320	250	65	14	14	750	330	405	815	355	535	138
MN 65-200 A	65	80	100	180	225	125	95	320	250	65	14	14	750	330	405	815	355	535	148
MN 65-250 B	65	80	100	200	250	160	120	360	280	80	16	19	850	370	450	850	380	490	239
MN 65-250 A	65	80	100	200	250	160	120	360	280	80	16	19	850	370	450	850	380	490	253
MN 80-160 D	80	100	125	180	225	125	95	320	250	65	14	14	665	330	405	665	335	535	98,5
MN 80-160 C	80	100	125	180	225	125	95	320	250	65	14	14	735	330	405	735	355	535	129
MN 80-160 B	80	100	125	180	225	125	95	320	250	65	14	14	780	330	405	815	355	535	143
MN 80-160 A	80	100	125	180	225	125	95	320	250	65	14	14	780	330	405	815	355	535	152
MN 80-200 B	80	100	125	180	225	125	95	345	280	65	16	14	870	355	405	850	380	490	233
MN 80-200 A	80	100	125	180	225	125	95	345	280	65	16	14	870	355	405	850	380	490	247

TIPO / TYPE MODELO / MODÈLE 3~	P2	P1 max.	I 3~400V 50 Hz	Q (m³/h - l/min)																																						
	nom.	3 ~		0	4.5	6	7.5	9	12	15	18	21	24	27	30	33	36	39	42	48	54	60	66	72	78	84	96	108	120	132	144	156	168	180	195	210	225	240				
				0	75	100	125	150	200	250	300	350	400	450	500	550	600	650	700	800	900	1000	1100	1200	1300	1400	1600	1800	2000	2200	2400	2600	2800	3000	3250	3500	3750	4000				
	HP/kW	kW	A	H (m)																																						
MN 32-160 C (*)	2/1.5	2.3	4.0	24.7	24.4	24.1	23.6	23.0	21.5	19.6	17.2	14.1																														
MN 32-160 B (*)	3/2.2	2.9	5.2	29.0		28.5	28.0	27.3	25.7	23.8	21.4	18.5	14.8																													
MN 32-160 A	4/3	4.1	7.1	36.8		36.4	36.0	35.4	34.2	32.8	31.1	28.8	26.0	22.3																												
MN 32-200 C (*)	5.5/4	5.2	9.4	41.0		40.0	39.5	38.8	37.5	36.0	34.2	32.2	30.0	27.0																												
MN 32-200 B	7.5/5.5	8.6	14.2	53.0		52.0	51.5	51.0	50.0	48.5	46.8	45.0	42.7	40.1	37.0	33.3	28.7																									
MN 32-200 A	10/7.5	9.9	16.5	61.0		60.5	60.0	59.5	58.5	57.2	55.5	53.7	51.5	49.0	46.2	42.7	38.5																									
MN 32-250 C	12.5/9.2	11.9	20.1	70.0		68.5	68.0	67.0	65.5	63.5	61.5	58.7	55.0	50.5																												
MN 32-250 B	15/11	14.4	24.2	82.0		81.0	80.5	79.5	78.5	77.0	75.0	72.6	70.0	66.5																												
MN 32-250 A	20/15	18.1	30.1	93.0		92.5	92.0	91.5	90.5	89.5	88.0	85.7	83.5	80.0																												
MN 40-125 C (*)	2/1.5	2.3	4.0	17.4			17.6	17.5	17.3	16.9	16.4	15.8	15.1	14.2	13.3																											
MN 40-125 B (*)	3/2.2	2.9	5.2	20.7				21.3	21.2	21.0	20.6	20.1	19.4	18.7	17.9	17.0																										
MN 40-125 A	4/3	4.1	7.1	25.2				25.8	25.8	25.6	25.4	24.9	24.4	23.7	22.9	22.0	21.1																									
MN 40-160 B (*)	4/3	4.4	7.4	30.0				30.1	30.0	29.6	29.0	28.2	27.1	25.9	24.4	22.8	21.0																									
MN 40-160 A (*)	5.5/4	5.7	9.9	35.4				35.6	35.5	35.3	35.0	34.2	33.2	32.0	30.6	29.0	27.3	25.4																								
MN 40-200 B	7.5/5.5	7.8	13.2	46.7				47.0	46.8	46.4	45.6	44.5	43.2	41.6	39.9	37.9	35.8	33.4																								
MN 40-200 A	10/7.5	10.2	16.8	56.4				57.8	58.0	57.9	57.6	56.9	56.0	54.7	53.0	51.1	48.9	46.5	43.9																							
MN 40-250 B	15/11	14.4	24.2	75.5				74.6	74.2	73.5	72.7	71.7	70.4	69.0	67.2	65.0	62.5	59.5	56.0																							
MN 40-250 A	20/15	19	32.0	91.5				90.4	89.8	89.3	88.5	87.5	86.6	85.5	84.0	82.5	80.5	78.5	76.0																							
MN 50-125 B (*)	4/3	4.4	7.4	19.9				20.2	20.2	20.1	20.0	19.8	19.3	19.1	18.7	18.3	17.8	17.4	16.4	15.3	14.0	12.7	11.2																			
MN 50-125 A (*)	5.5/4	5.7	9.9	24.5				25.0	24.9	24.8	24.6	24.4	24.2	23.8	23.5	23.1	22.7	21.8	20.8	19.6	18.1	16.5																				
MN 50-160 B	7.5/5.5	6.7	11.6	30.2									30.5	30.3	30.1	29.8	29.5	29.0	28.5	28.0	26.7	25.1	23.3	21.3	19.1	16.8																
MN 50-160 A	10/7.5	9.4	15.8	36.3									37.0	36.9	36.8	36.6	36.4	36.1	35.6	35.1	34.0	32.6	31.0	29.1	26.9	24.5																
MN 50-200 C	12.5/9.2	10.8	18.5	47.0									45.7	45.1	44.5	43.7	42.9	42.0	40.2	38.5	35.9	33.0	29.0	24.5																		
MN 50-200 B	15/11	12.4	21.0	52.0									51.0	50.5	50.0	49.3	48.5	47.7	46.8	44.7	42.2	39.5	35.9	32.0																		
MN 50-200 A	20/15	15.4	27.0	58.5									58.1	58.0	57.5	57.0	56.4	55.7	55.0	53.2	51.3	49.0	46.3	42.8	38.8																	
MN 50-250 C	20/15	20	32.5	71.5										70.8	70.3	69.7	69.0	68.3	67.6	66.0	64.0	61.5	58.6	55.0	50.5																	
MN 50-250 B	25/18.5	23	41.5	78.0										78.0	77.4	76.8	76.1	75.3	74.5	72.8	70.6	68.2	65.5	62.2	58.3																	
MN 50-250 A	30/22.5	28.5	51.5	90.0										89.5	88.8	88.3	87.7	86.9	86.1	84.5	82.7	80.5	78.0	75.2	71.7																	
MN 65-125 B	7.5/5.5	7.2	12.3	19.8										21.0	20.8	20.7	20.6	20.5	20.4	20.1	19.7	19.3	18.8	18.3	17.7	16.1	14.3	12.3														
MN 65-125 A	10/7.5	9.5	15.9	24.2										24.8	24.7	24.6	24.5	24.4	24.3	24.1	23.9	23.7	23.4	22.8	22.3	20.9	19.4	17.5	15.0													
MN 65-160 C	12.5/9.2	11.7	19.5	30.4														31.2	31.1	30.8	30.5	30.1	29.6	29.0	28.3	26.6	24.6	22.1	19.3	16.0												
MN 65-160 B	15/11	13	22.5	34.0														34.6	34.4	34.2	34.0	33.7	33.3	32.8	32.1	30.6	28.8	26.7	24.1	21.1												
MN 65-160 A	20/15	18	30.0	39.0														40.6	40.6	40.4	40.2	40.0	39.7	39.4	38.9	37.7	36.2	34.3	32.2	29.8												
MN 65-200 C	20/15	20	32.5	43.0																44.8	44.5	44.1	43.7	43.0	42.3	40.5	38.0	35.3	32.0													
MN 65-200 B	25/18.5	23	41.5	47.5																49.5	49.3	49.0	48.5	48.0	47.3	45.5	43.5	41.0	38.0													
MN 65-200 A	30/22.5	28.5	51.5	56.5																56.7	56.5	56.2	55.7	55.2	54.7	53.3	51.6	49.6	47.1	44.0												
MN 65-250 B	40/30	37.8	63.5	81.0																79.5	78.5	77.3	76.0	74.5	73.0	69.3	65.0	60.0	54.5	48.5												
MN 65-250 A	50/37	45	74.5	90.0																89.5	88.5	87.5	86.5	85.5	84.0	80.5	76.5	72.0	66.5	60.5	54.0											
MN 80-160 D	15/11	12.3	20.8	24.0																					25.6	25.3	25.1	24.7	23.9	22.9	21.8	20.6	19.3	17.9	16.3	14.6						
MN 80-160 C	20/15	14.9	25.8	29.0																					29.6	29.3	29.0	28.7	28.1	27.0	25.9	24.7	23.4	22.0	20.4	18.7	16.4					
MN 80-160 B	25/18.5	19.2	35.0	33.5																					34.1	33.9	33.7	33.4	32.7	32.0	31.0	30.0	29.0	27.7	26.4	25.0	22.9	20.3				
MN 80-160 A	30/22.5	23.2	42.0	37.0																						37.9	37.7	37.3	36.9	36.2	35.5	34.5	33.5	32.4	31.2	29.9	28.0	25.8	22.9			
MN 80-200 B	40/30	37.8	63.5	49.0																							50.8	50.6	50.3	49.8	49.3	48.6	47.7	46.7	45.5	44.8	41.6	38.6				
MN 80-200 A	50/37	45	74.5	58.0																								59.6	59.2	58.6	58.0	57.3	56.4	55.5	54.3	52.7	50.8	48.5	46.1			