

Öl - Wasser - Kühler Serie MGB 80

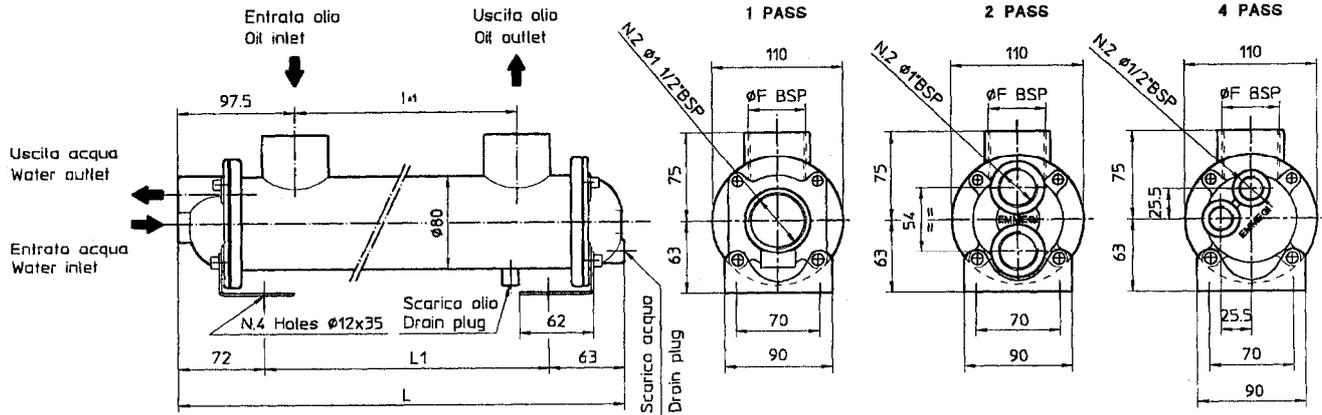
Water-oil heat exchangers series MGB 80



NHD Hydraulik GmbH

Ein-Zwei-Vier Wege regelbarer Wasserkreislauf

One-two-four ways controllable water circuit



Abmessungen und technische Angaben sind nicht verbindlich.

Over-all dimension and technical characteristics are not binding.

TIPO	TUBI	PIASTRA TUBIERA	DEFLETTORI	FONDI	MANTELLO	GUARNIZIONI
TYPE	TUBES	TUBES SHEET	BAFFLES	COVERS	SHELL	SEAL
STANDARD	CuDHP	C40	CuZn37	CuZn40	Fe510.2	Rubber-cork
AISI	AISI 304	AISI 304	AISI 304	CuZn40	AISI 304	Rubber-cork

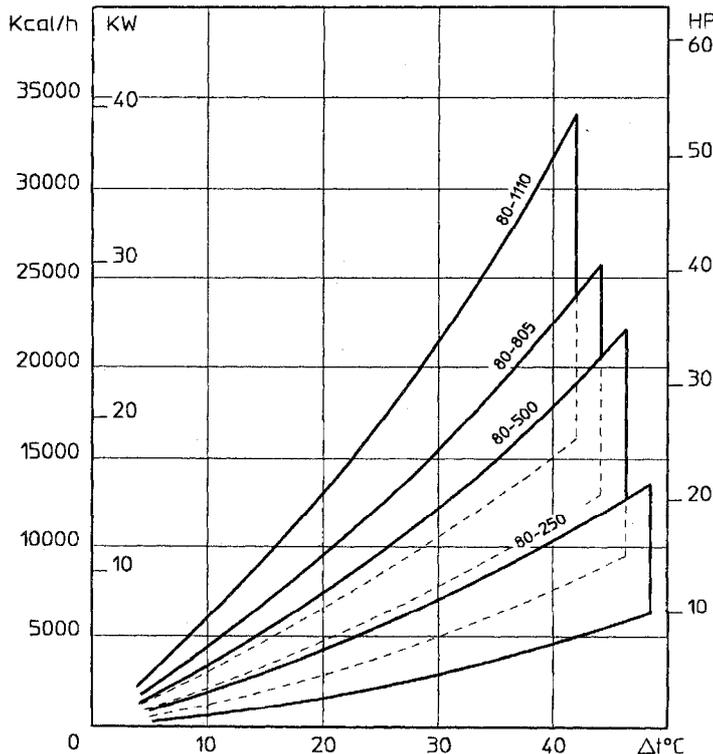
TIPO	PORTATA OLIO	HP DISPERSI CON OLIO	CAPACITA' CONTENUTI	Kg	Dimensioni - Over all dimension											
					1 Pass				2 Pass				4 Pass			
					ØF	I	L	L1	ØF	I	L	L1	ØF	I	L	L1
MGB 80-250...	30-160	6-14	1.1	6	1 1/2"	250	556	300	1 1/2"	250	435	305	1 1/2"	250	435	300
MGB 80-500...	40-180	10-24	2	9	1 1/2"	500	806	550	1 1/2"	500	685	555	1 1/2"	500	685	550
MGB 80-805...	40-180	15-30	3	12	1 1/2"	805	1111	855	1 1/2"	805	990	860	1 1/2"	805	990	855
MGB 80-1110...	50-200	20-42	4	15	1 1/2"	1110	1416	1160	1 1/2"	1110	1285	1165	1 1/2"	1110	1295	1160

Leistungsdiagramm

bei min. und max. Durchfluß tabel. dargestellt

PERFORMANCE DIAGRAM

At the maximum and minimum flow stated in schedule



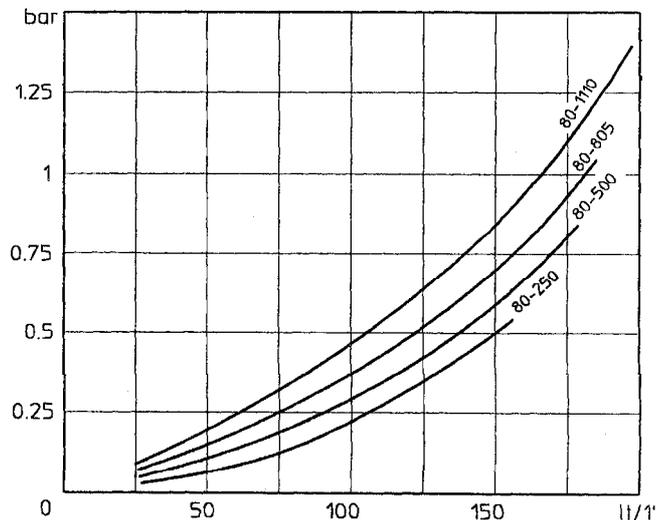
Korrekturfaktor (F) - Druckverlust

CORRECTION FACTOR (F)-PRESSURE DROP

CST	10	15	20	30	40	50	60	80	100	200	300
F	0.5	0.65	0.77	1	1.2	1.4	1.6	1.9	2.1	3.3	4.3

Druckverlust (32 cest)

PRESSURE DROP (32 cst)



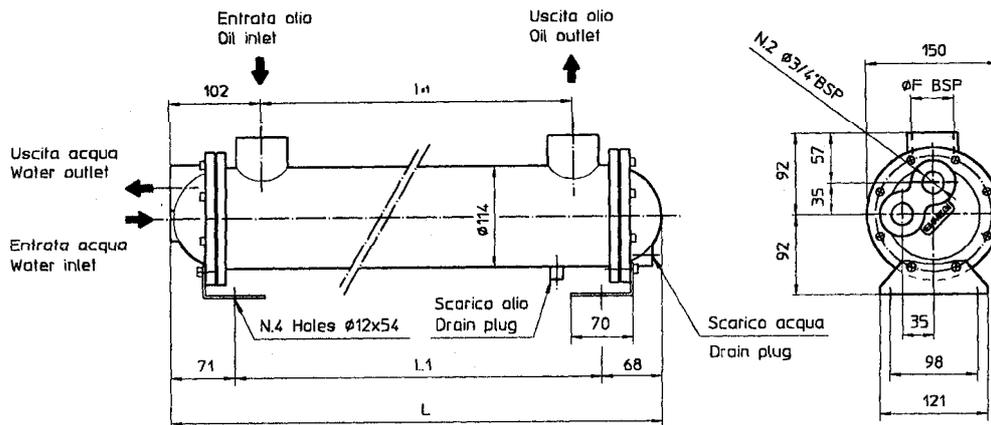
Öl - Wasser - Kühler Serie MGB 114

Water-oil heat exchangers series MGB 114



Vier Wege regelbarer Wasserkreislauf

Four ways controllable water circuit



Abmessungen und technische Angaben sind nicht verbindlich .Over-all dimension and technical characteristics are not binding

TIPO TYPE	TUBI TUBES	PIASTRA TUBIERA TUBES SHEET	DEFLETTORI BAFFLES	FONDI COVERS	MANTELLLO SHELL	GUARNIZIONI SEALS
STANDARD	CuDHP	C40	CuZn37	G25	Fe510.2	OR 4437
AiSi	AiSi 304	AiSi 304	AiSi 304	G25	AiSi 304	OR 4437

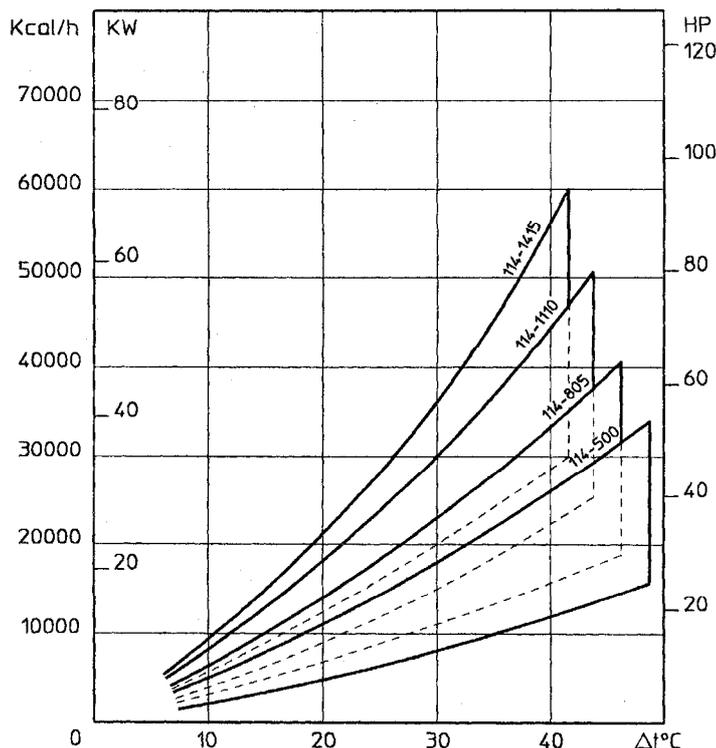
TIPO TYPE	PORTATA OLIO OIL FLOW (l/min)	HP DISPERSI CON OLIO HP DISSIPATED WITH OIL -55°C H2O-20°C	CAPACITA' CONTENTS (l)	Kg	Dimensioni - Over all dimension			
					4 Pass			
					øF	L	L	L1
MGB 114-500-4	50-220	16-35	3.5	17	1 1/2"	500	714	568
MGB 114-805-4	60-250	23-45	5	21	1 1/2"	805	1019	873
MGB 114-1110-4	60-250	30-60	6.7	25	1 1/2"	1110	1324	1178
MGB 114-1415-4	80-280	38-76	8.2	29	1 1/2"	1415	1584	1438

Leistungsdiagramm

bei min. und max. Durchfluß tabel. dargestellt

PERFORMANCE DIAGRAM

At the maximum and minimum flow stated in schedule



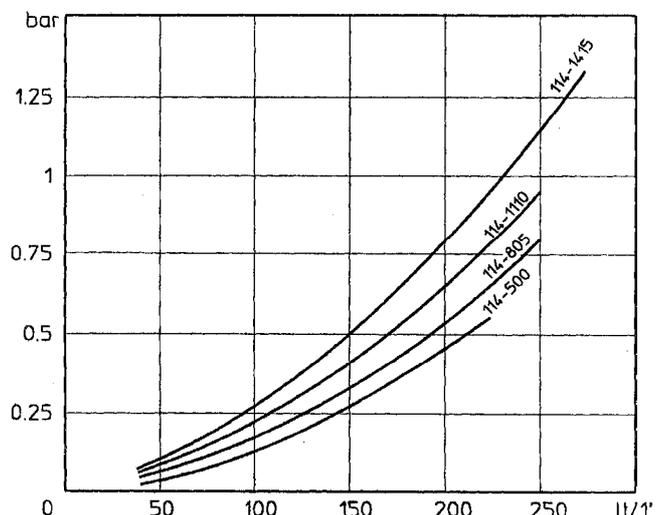
Korrektur Faktor (F) - Druckverlust

CORRECTION FACTOR (F)-PRESSURE DROP

CST	10	15	20	30	40	50	60	80	100	200	300
F	0.5	0.65	0.77	1	1.2	1.4	1.6	1.9	2.1	3.3	4.3

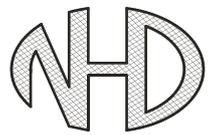
Druckverlust (32 cest)

PRESSURE DROP (32 cst)



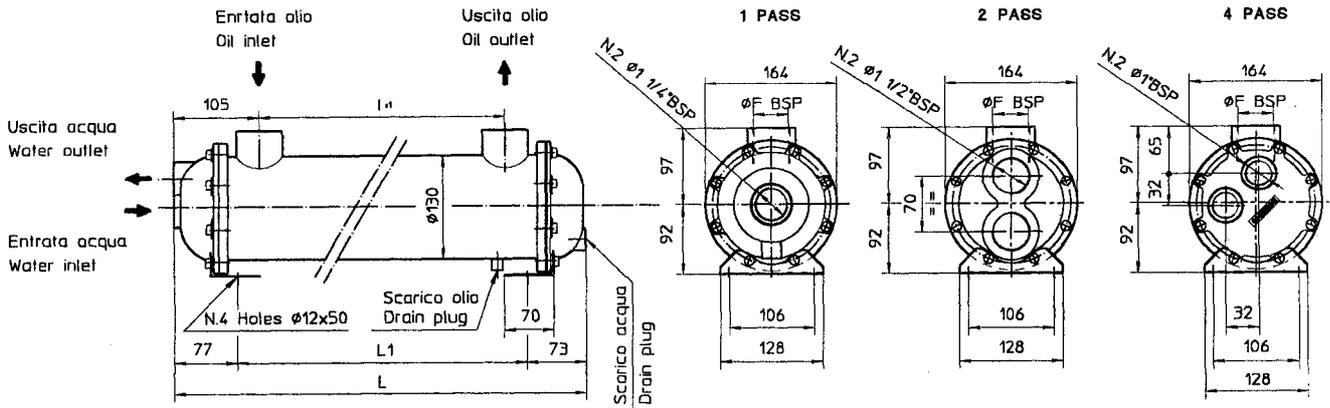
Öl - Wasser - Kühler Serie MGB 130

Water-oil heat exchangers series MGB 130



Ein - Zwei - Vier Wege regulierbarer Wasserkreislauf One-two-four ways controllable water circuit.

NHD Hydraulik GmbH



Abmessungen und technische Angaben sind nicht verbindlich. Over-all dimension and technical characteristics are not binding.

TIPO TYPE	TUBI TUBES	PIASTRA TUBIERA TUBES SHEET	DEFLETTORI BAFFLES	FONDI COVERS	MANTELLO SHELL	GUARNIZIONI SEALS
STANDARD	CuDHP	C40	CuZn37	CuZn40	Fe510.2	Rubber-cork
AISI	AISI 304	AISI 304	AISI 304	CuZn40	AISI 304	Rubber-cork

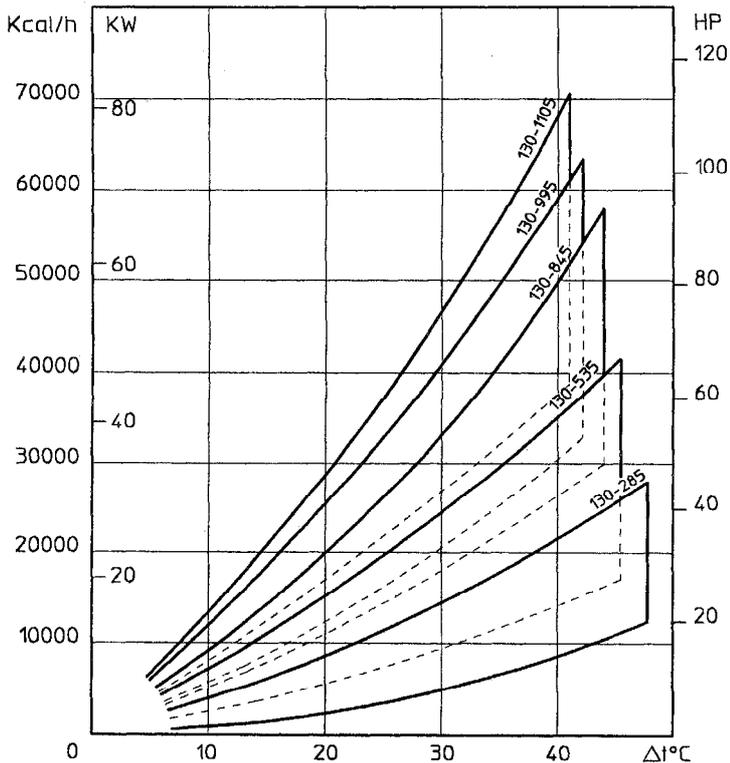
TIPO TYPE	PORTATA OLIO OIL FLOW (l/min)	HP DISPERSI CON OLIO HP DISSIPATED WITH OIL +55°C H2O=20°C	CAPACITA' CONTENTS (l)	Kg	Dimensioni - Over all dimension											
					1 Pass				2 Pass				4 Pass			
					øF	I	L	L1	øF	I	L	L1	øF	I	L	L1
MGB130-285..	60-160	12-30	3	16	1 1/2"	285	512	340	1 1/2"	285	488	345	1 1/2"	285	490	340
MGB130-535..	80-200	16-48	5.2	22	1 1/2"	535	762	590	1 1/2"	535	738	595	1 1/2"	535	740	590
MGB130-845..	120-280	35-68	7.9	28	1 1/2"	845	1072	900	1 1/2"	845	1048	905	1 1/2"	845	1050	900
MGB130-995..	120-280	41-78	9.2	32	1 1/2"	995	1222	1050	1 1/2"	995	1198	1055	1 1/2"	995	1200	1050
MGB130-1105..	120-280	50-90	10	35	1 1/2"	1105	1332	1160	1 1/2"	1105	1308	1165	1 1/2"	1105	1310	1160

Leistungsdiagramm

bei min. und max. Durchfluß tabel. dargestellt

PERFORMANCE DIAGRAM

At the maximum and minimum flow stated in schedule



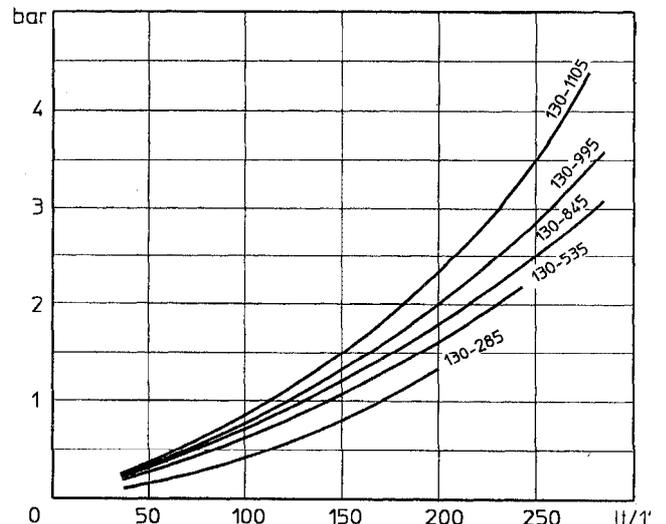
Korrektur Faktor (F) - Druckverlust

CORRECTION FACTOR (F)-PRESSURE DROP

CST	10	15	20	30	40	50	60	80	100	200	300
F	0.5	0.65	0.77	1	1.2	1.4	1.6	1.9	2.1	3.3	4.3

Druckverlust (32 cest)

PRESSURE DROP (32 cst)



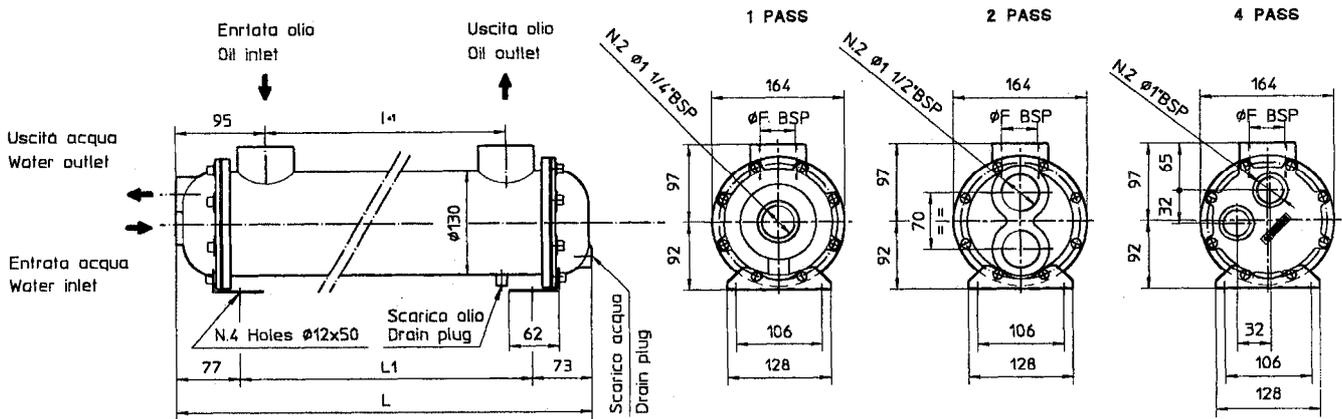
Öl - Wasser - Kühler Serie MGB 131 Water-oil heat exchangers series MGB 131



Ein-Zwei-Vier Wege regelbarer Wasserkreislauf

One-two-four ways controllably water circuit

NHD Hydraulik GmbH



Abmessungen und technische Angaben sind nicht verbindlich. Over-all dimension and technical characteristics are not binding.

TIPO TYPE	TUBI TUBES	PIASTRA TUBIERA TUBES SHEET	DEFLETTORI BAFFLES	FONDI COVERS	MANTELLO SHELL	GUARNIZIONI SEALS
STANDARD	CuDHP	C40	CuZn37	CuZn40	Fe510.2	Rubber-cork
AISI	AISI 304	AISI 304	AISI 304	CuZn40	AISI 304	Rubber-cork

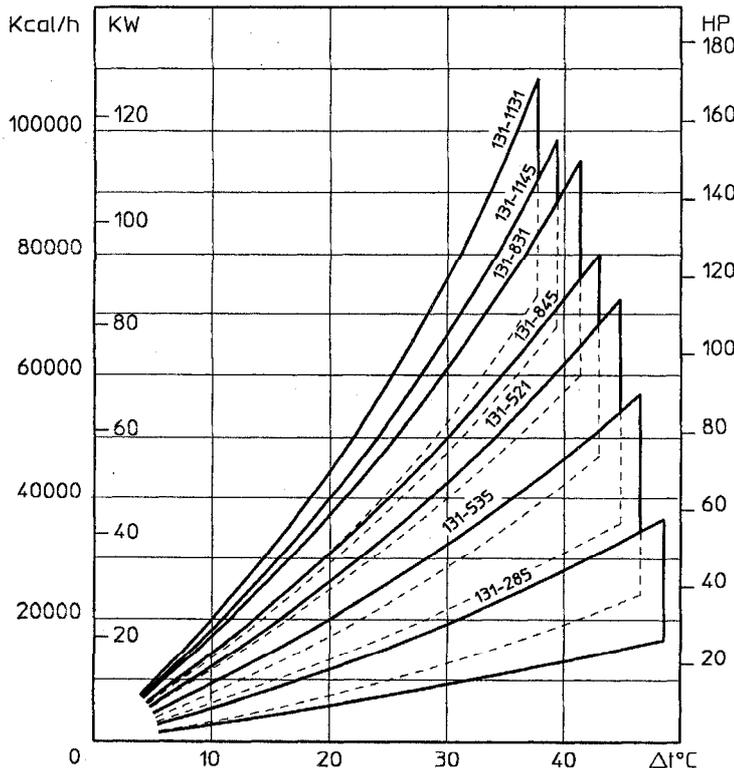
TIPO TYPE	PORTATA OLIO OIL FLOW (lt/min)	HP DISPERSI CON OLIO HP DISSIPATED WITH OIL -55°C H2O-20°C	CAPACITA' CONTENTS (lt)	Kg	Dimensioni - Over all dimension											
					1 Pass				2 Pass				4 Pass			
					ØF	I	L	L1	ØF	I	L	L1	ØF	I	L	L1
MGB131-285...	50-140	17-38	2.7	17	1 1/2"	285	512	340	1 1/2"	285	488	345	1 1/2"	285	490	340
MGB131-535...	80-200	24-63	4.5	23	1 1/2"	535	762	590	1 1/2"	535	738	595	1 1/2"	535	740	590
MGB131-521...	120-280	40-82	4.6	23	2"	521	764	586	2"	521	740	591	2"	521	735	586
MGB131-845...	100-250	56-96	6.9	29	1 1/2"	845	1072	900	1 1/2"	845	1048	905	1 1/2"	845	1050	900
MGB131-831...	160-400	77-120	7	29	2"	831	1074	896	2"	831	1050	1000	2"	831	1046	896
MGB131-1145...	120-280	85-132	8	36	1 1/2"	1145	1372	1200	1 1/2"	1145	1348	1205	1 1/2"	1145	1350	1200
MGB131-1131...	160-420	102-153	8.1	36	2"	1131	1374	1196	2"	1131	1350	1200	2"	1131	1346	1196

Leistungsdiagramm

bei min. und max. Durchfluß tabel. dargestellt

PERFORMANCE DIAGRAM

At the maximum and minimum flow stated in schedule



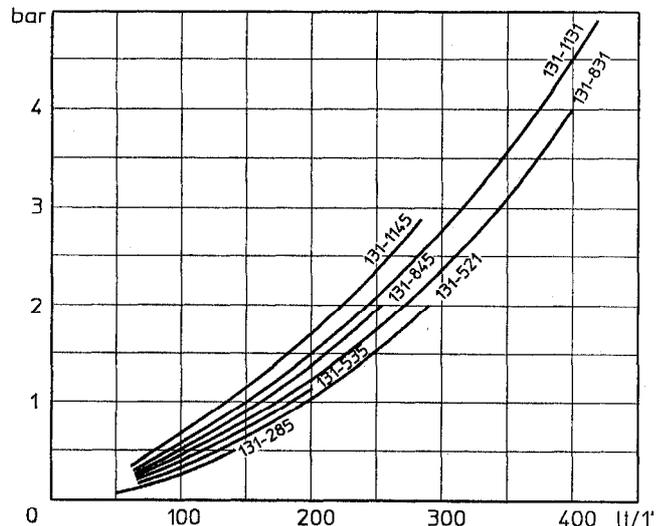
Korrekturfaktor (F) - Druckverlust

CORRECTION FACTOR (F)-PRESSURE DROP

CST	10	15	20	30	40	50	60	80	100	200	300
F	0.5	0.65	0.77	1	1.2	1.4	1.6	1.9	2.1	3.3	4.3

Druckverlust (32 cest)

PRESSURE DROP (32 cst)



Öl - Wasser - Kühler Serie MGB 140

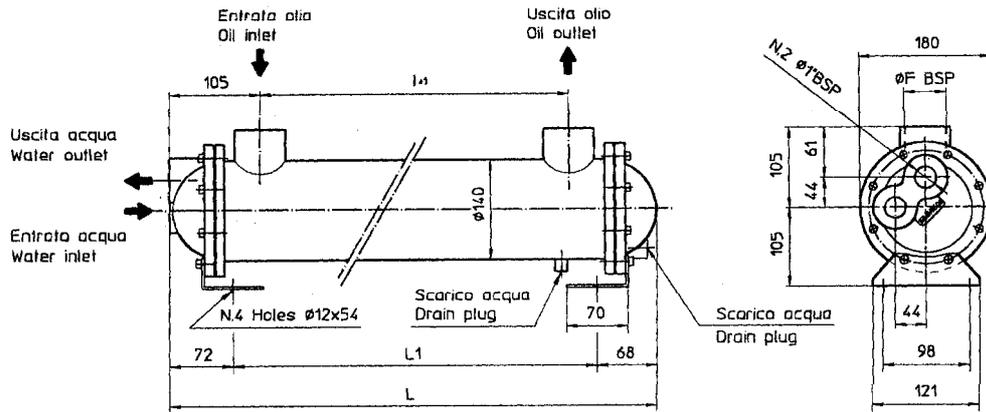
Water-oil heat exchangers series MGB 140



NHD Hydraulik GmbH

Vier Wege Wasserkreislauf

Four ways controllable water circuit



Abmessungen und technische Angaben sind nicht verbindlich. Over-all dimension and technical characteristics are not binding.

TIPO TYPE	TUBI TUBES	PIASTRA TUBIERA TUBES SHEET	DEFLETTORI BAFFLES	FONDI COVERS	MANTELLLO SHELL	GUARNIZIONI SEALS
STANDARD	CuDHP	C40	CuZn37	G25	Fe510.2	OR 4550
AlSi	AlSi 304	AlSi 304	AlSi 304	G25	AlSi 304	OR 4550

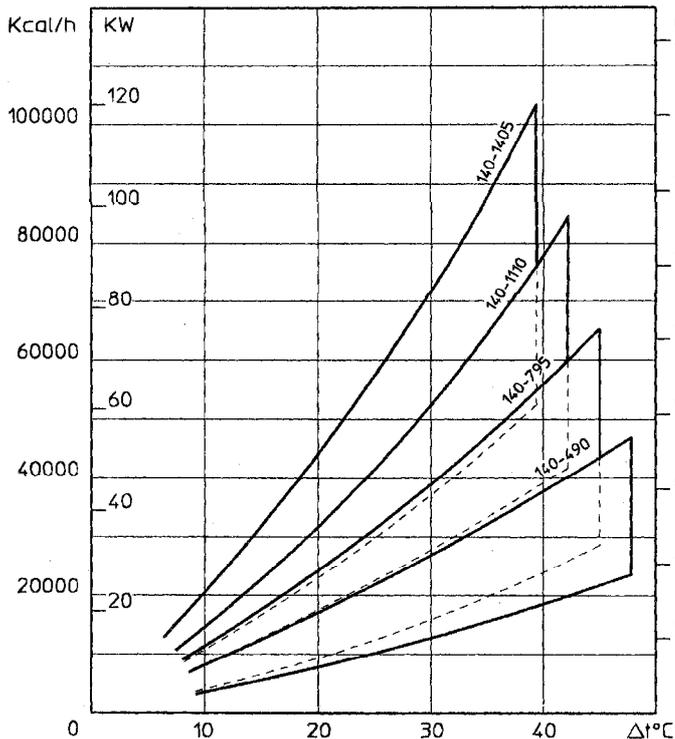
TIPO TYPE	PORTATA OLIO OIL FLOW (l/min)	HP DISPERSI CON OLIO HP DISSIPATED WITH OIL -55°C H2O-20°C	CAPACITA' CONTENTS (l)	Kg	Dimensioni - Over all dimension			
					4 Pass			
					ϕF	l	L	L1
MGB 140-490-4	50-220	25-50	6.4	26	1 1/2"	490	695	555
MGB 140-795-4	60-250	35-75	9.5	32	1 1/2"	795	1000	860
MGB 140-1110-4	60-250	52-105	12.5	38	1 1/2"	1110	1315	1175
MGB 140-1405-4	80-280	68-138	15.5	44	1 1/2"	1405	1610	1470

Leistungsdiagramm

bei min. und max. Durchfluß tabel. dargestellt

PERFORMANCE DIAGRAM

At the maximum and minimum flow stated in schedule



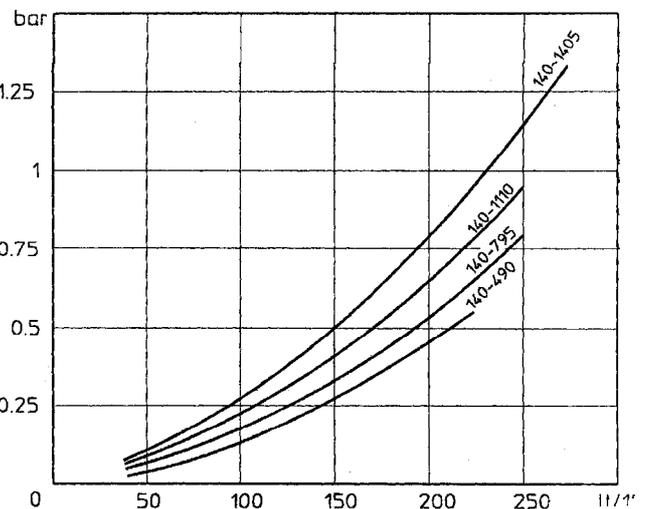
Korrektur Faktor (F) - Druckverlust

CORRECTION FACTOR (F)-PRESSURE DROP

CST	10	15	20	30	40	50	60	80	100	200	300
F	0.5	0.65	0.77	1	1.2	1.4	1.6	1.9	2.1	3.3	4.3

Druckverlust (32 cest)

PRESSURE DROP (32 cst)



Öl - Wasser - Kühler Serie MGB 168

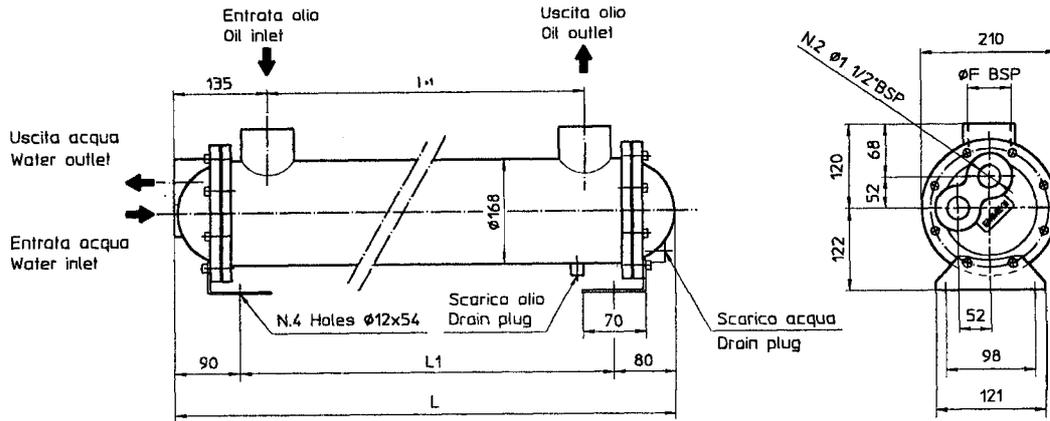
Water-oil heat exchangers series MGB 168



NHD Hydraulik GmbH

Vier Wege Wasserkreislauf

Four ways controllable water circuit



Abmessungen und technische Angaben sind nicht verbindlich. Over-all dimension and technical characteristics are not binding.

TIPO TYPE	TUBI TUBES	PIASTRA TUBIERA TUBES SHEET	DEFLETTORI BAFFLES	FONDI COVERS	MANTELLLO SHELL	GUARNIZIONI SEAL
STANDARD	CuDHP	C40	CuZn37	G 25	Fe510.2	OR 4650
AISI	AISI 304	AISI 304	AISI 304	G 25	AISI 304	OR 4650

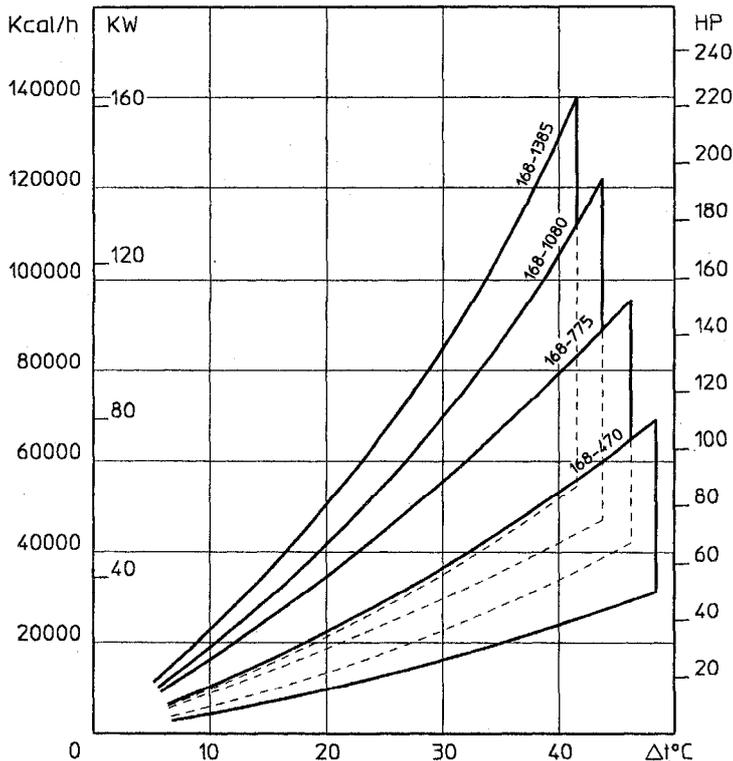
TIPO TYPE	PORTATA OLIO OIL FLOW (l/min)	HP DISPERSI CON OLIO HP DISSIPATED WITH OIL -55°C H2O-20°C	CAPACITA' CONTENTS (l)	Kg	Dimensioni - Over all dimension			
					4 Pass			
					ϕF	L	L	L1
MGB 168-470-4	100-450	32-72	8.3	35	2'	470	730	560
MGB 168-775-4	120-500	45-105	12.5	43	2'	775	1035	865
MGB 168-1080-4	150-550	55-142	16.7	50	2'	1080	1340	1170
MGB 168-1385-4	150-550	70-172	21	57	2'	1385	1645	1475

Leistungsdiagramm

bei min. und max. Durchfluß tabel. dargestellt

PERFORMANCE DIAGRAM

At the maximum and minimum flow stated in schedule



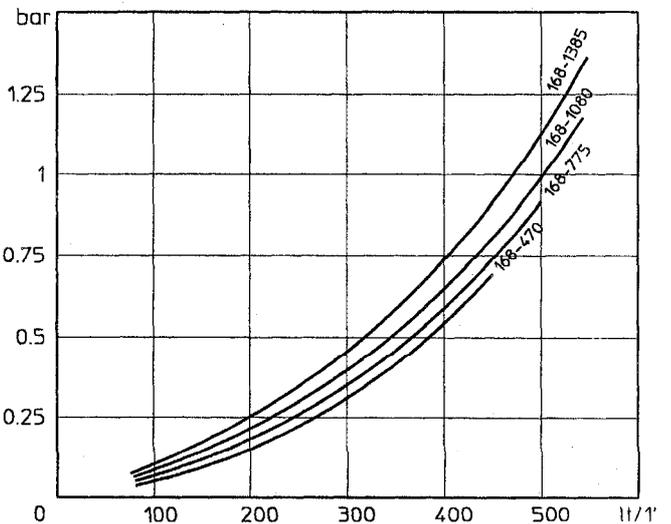
Korrektur Faktor (F) - Druckverlust

CORRECTION FACTOR (F)-PRESSURE DROP

CST	10	15	20	30	40	50	60	80	100	200	300
F	0.5	0.65	0.77	1	1.2	1.4	1.6	1.9	2.1	3.3	4.3

Druckverlust (32 cest)

PRESSURE DROP (32 cst)



Öl - Wasser - Kühler Serie MGB 219

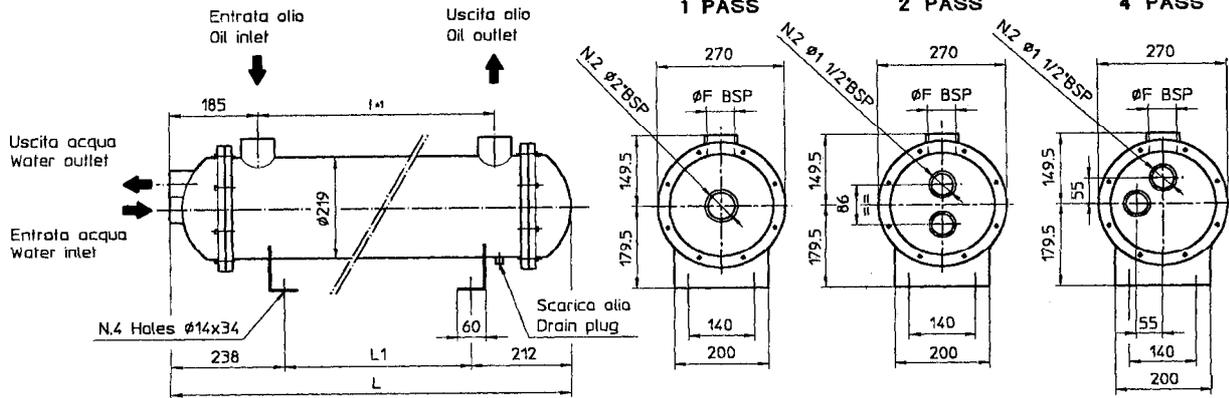
Water-oil heat exchangers series MGB 219



NHD Hydraulik GmbH

Ein-Zwei-Vier Wege regelbarer Wasserkreislauf

One-two-four ways controllable water circuit



Abmessungen und technische Angaben sind nicht verbindlich. Over-all dimension and technical characteristics are not binding.

TIPO TYPE	TUBI TUBES	PIASTRA TUBIERA TUBES SHEET	DEFLETTORI BAFFLES	FONDI COVERS	MANTELLO SHELL	GUARNIZIONI SEAL
STANDARD	CuDHP	C40	CuZn37	Fe 510.2	Fe510.2	OR 4900
AISI	AISI 304	AISI 304	AISI 304	AISI 304	AISI 304	OR 4900

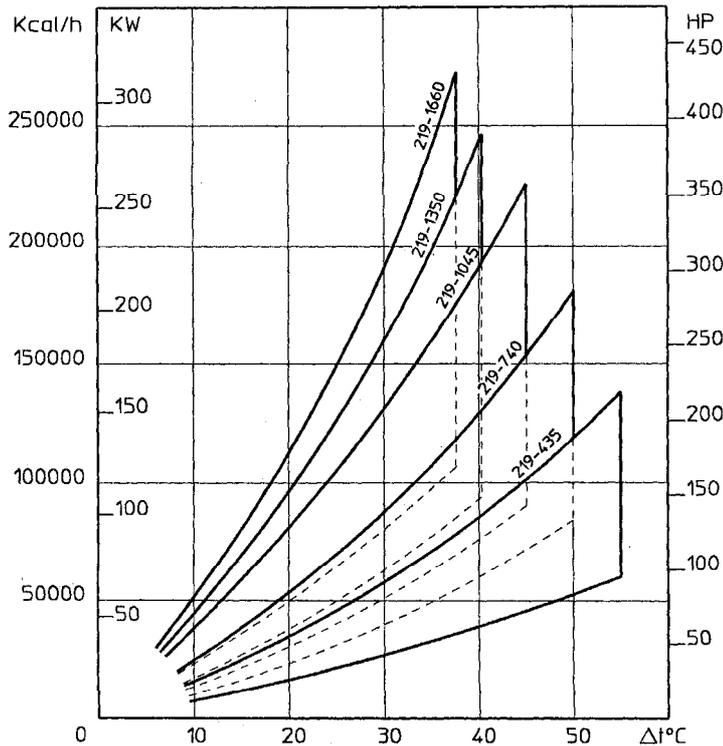
TIPO TYPE	PORTATA OLIO OIL FLOW (l/min)	HP DISPERSI CON OLIO HP DISSIPATED WITH OIL -55°C H2O-20°C	CAPACITA' CONTENTS (l)	Kg	Dimensioni - Over all dimension											
					1 Pass				2 Pass				4 Pass			
					ØF	I	L	L1	ØF	I	L	L1	ØF	I	L	L1
MGB219-435...	80-800	50-120	12.7	36	2'	435	830	330	2'	435	780	330	2'	435	780	330
MGB219-740...	100-800	75-180	19.2	44	2'	740	1135	635	2'	740	1085	635	2'	740	1085	635
MGB219-1045...	100-800	100-250	25.7	53	2'	1045	1440	940	2'	1045	1390	940	2'	1045	1390	940
MGB219-1350...	100-800	125-320	32.3	59	2'	1350	1745	1245	2'	1350	1695	1245	2'	1350	1695	1245
MGB219-1660...	100-800	150-390	39	64	2'	1660	2055	1555	2'	1660	2005	1555	2'	1660	2005	1555

Leistungsdiagramm

bei min. und max. Durchfluß tabel. dargestellt

PERFORMANCE DIAGRAM

At the maximum and minimum flow stated in schedule



Korrektur Faktor (F) - Druckverlust

CORRECTION FACTOR (F)-PRESSURE DROP

CST	10	15	20	30	40	50	60	80	100	200	300
F	0.5	0.65	0.77	1	1.2	1.4	1.6	1.9	2.1	3.3	4.3

Druckverlust (32 cst)

PRESSURE DROP (32 cst)

