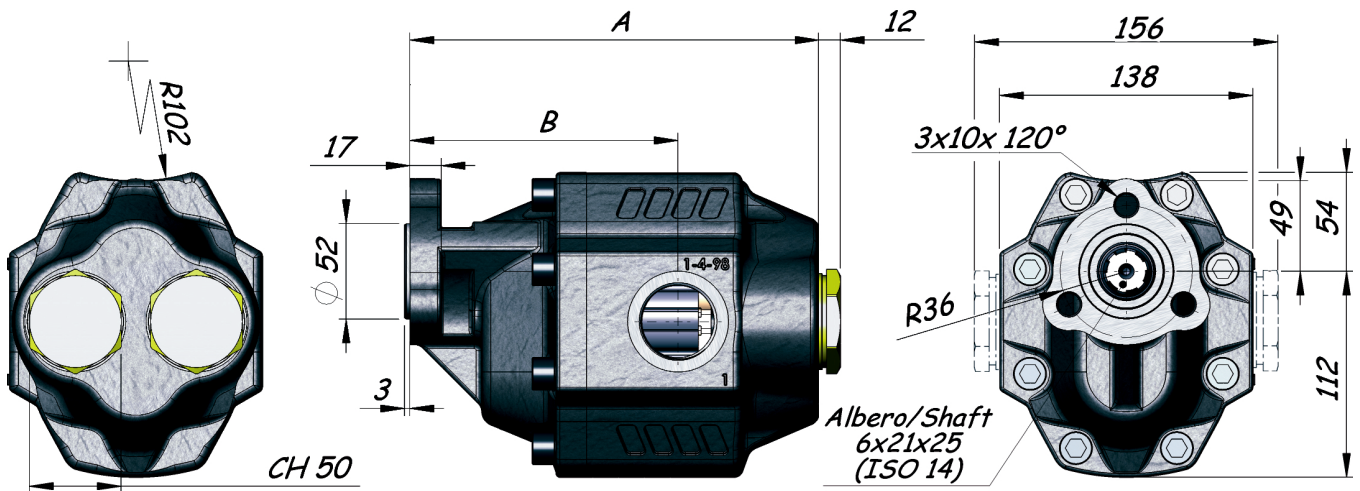


Fluido idraulico <i>Fluid</i>	Minerale o sintetico compatibile con guarnizioni: <i>Mineral or synthetic compatible with the following seals:</i> NBR, FKM, FPM, Nylon				
Viscosità cinematica consigliata <i>Kinematic viscosity suggested</i>	T media ambiente (°C) <i>Average ambient temp. (°C)</i>	< -10	-10÷10	10÷35	> 35
	VG (cSt = mm ² /s)	22	32	46	68
Viscosità cinematica ottimale di esercizio <i>Optimale kinematic viscosity</i>			VG= 10 cSt ÷ 100 cSt		
Viscosità cinematica max consentita all'avviamento <i>Max kinematic viscosity suggested at the start-up</i>			VG= 750 cSt		
Indice di viscosità consigliato <i>Viscosity index suggested</i>	VI > 100	Temperatura di esercizio <i>Working temperature</i>			
		-15°C +100°C			
Grado di filtrazione <i>Oil filtering</i>			> 200 bar: 10 µm < 200 bar: 25 µm		
Pressione di aspirazione / Inlet pressure			-0,3 ÷ 2 bar		
Senso di rotazione / Pump rotation			Bidirezionale/Bidirectional		

Ingombro / Dimensions

Dati tecnici / Technical data

Tipo pompa <i>Pump type</i>	Codice ordinazione <i>Order code</i>	IN	OUT	A	B	Peso <i>Weight</i>
		ISO 228	ISO 228	mm	mm	Kg
LTMH-90	10503300900	G 1 1/4	G 1 1/4	213	136	18
LTMH-100	10503301007			217	140	18.2
LTMH-112	10503301123			223	146	18.5
LTMH-120	10503301203			227	150	18.7

Алматы (7273)495-231
 Ангарск (3955)60-70-56
 Архангельск (8182)63-90-72
 Астрахань (8512)99-46-04
 Барнаул (3852)73-04-60
 Белгород (4722)40-23-64
 Благовещенск (4162)22-76-07
 Брянск (4832)59-03-52
 Владивосток (423)249-28-31
 Владикавказ (8672)28-90-48
 Владимир (4922)49-43-18
 Волгоград (844)278-03-48
 Вологда (8172)26-41-59
 Воронеж (473)204-51-73
 Екатеринбург (343)384-55-89

Россия +7(495)268-04-70

Иваново (4932)77-34-06
 Ижевск (3412)26-03-58
 Иркутск (395)279-98-46
 Казань (843)206-01-48
 Калининград (4012)72-03-81
 Калуга (4842)92-23-67
 Кемерово (3842)65-04-62
 Киров (8332)68-02-04
 Коломна (4966)23-41-49
 Кострома (4942)77-07-48
 Краснодар (861)203-40-90
 Красноярск (391)204-63-61
 Курск (4712)77-13-04
 Курган (3522)50-90-47
 Липецк (4742)52-20-81

Магнитогорск (3519)55-03-13
 Москва (495)268-04-70
 Мурманск (8152)59-64-93
 Набережные Челны (8552)20-53-41
 Нижний Новгород (831)429-08-12
 Новокузнецк (3843)20-46-81
 Ноябрьск (3496)41-32-12
 Новосибирск (383)227-86-73
 Омск (3812)21-46-40
 Орел (4862)44-53-42
 Оренбург (3532)37-68-04
 Пенза (8412)22-31-16
 Петрозаводск (8142)55-98-37
 Псков (8112)59-10-37
 Пермь (342)205-81-47

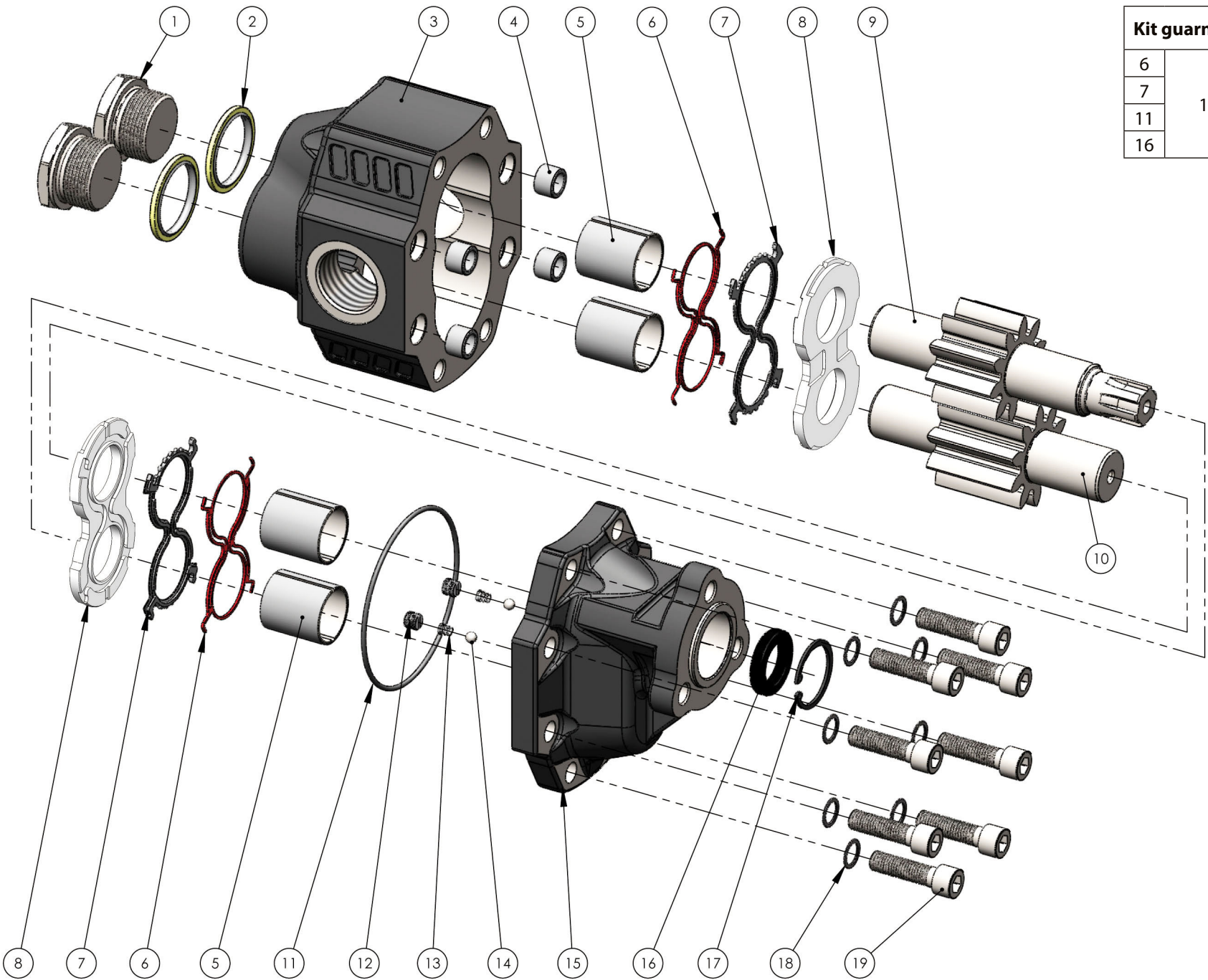
Казахстан +7(7172)727-1322

Ростов-на-Дону (863)308-18-15
 Рязань (4912)46-61-64
 Самара (846)206-03-16
 Мурманск (8152)59-64-93
 Санкт-Петербург (812)309-46-40
 Саратов (845)249-38-78
 Севастополь (8692)22-31-93
 Саранск (8342)22-96-24
 Симферополь (3652)67-13-56
 Смоленск (4812)29-41-54
 Сочи (862)225-72-31
 Ставрополь (8652)20-65-13
 Сургут (3462)77-98-35
 Сыктывкар (8212)25-95-17
 Тамбов (4752)50-40-97
 Тверь (4822)63-31-35

Киргизия +996(312)96-26-47

Тольятти (8482)63-91-07
 Томск (3822)98-41-53
 Тула (4872)33-79-87
 Тюмень (3452)66-21-18
 Ульяновск (8422)24-23-59
 Улан-Удэ (3012)59-97-51
 Уфа (347)229-48-12
 Хабаровск (4212)92-98-04
 Чебоксары (8352)28-53-07
 Челябинск (351)202-03-61
 Череповец (8202)49-02-64
 Чита (3022)38-34-83
 Якутск (4112)23-90-97
 Ярославль (4852)69-52-93

Kit guarnizioni / Seal Kit	
6	10590000455
7	
11	
16	



N°	90	100	112	120	Codice/Code	Descrizione / Description	Q.
1	54000200165	Tappo acciaio 1"1/4 <i>Steel plug 1"1/4</i>	2
2	11600911137	Rondella acciaio-gomma 1"1/4 <i>Steel-rubber washer 1"1/4</i>	2
3	.				51701700907	Corpo pompa <i>Gear housing</i>	1
		.			51701701004		
			.		51701701120		
				.	51701701200		
4	50100300291	Spine forate di centraggio 18x12.5 <i>Pins 18x12.5</i>	4
5	53300400220	Boccole autolub. 38x42x38 <i>Bushing 38x42x38</i>	4
6	50600002014	Guarnizione antiestrusione <i>Back-up ring</i>	2
7	50600002005	Guarnizione per rasamento <i>Thrust plate seal</i>	2
8	51001000364	Rasamento ad occhiale <i>Thrust plate</i>	2
9	.				52303600901	Albero dentato conduttore <i>Drive shaft</i>	1
		.			52303601008		
			.		52303601124		
				.	52303601204		
10	.				52303500902	Albero dentato condotto <i>Driven shaft</i>	1
		.			52303501009		
			.		52303501125		
				.	52303501205		
11	50600002023	Guarnizione OR <i>O-Ring</i>	1
12	50400000412	Grano valvola lubrificazione <i>Lube valve screw</i>	2
13	51200400206	Molla conica <i>Tapered spring</i>	2
14	51000900054	Sfera 1/4" <i>Ball 1/4"</i>	2
15	51800300410	Coperchio anteriore <i>Mounting cover</i>	1
16	50602425401	Guarnizione paraolio <i>Oil seal</i>	1
17	50100100373	Anello elastico <i>Circlip</i>	1
18	50102000129	Rondella elastica <i>Washer</i>	8
19	50200500573	Vite TCE M12x45 <i>Screw M12x45</i>	8

CARATTERISTICHE TECNICHE DI FUNZIONAMENTO - TECHNICAL FEATURES

Tipo pompa Pump type	Cilindrata Displacement cm ³ /rev	Pressione Pressure			Velocità max. continua Max. continuous speed rpm	Velocità max. intermittente Max. intermittent speed rpm	Velocità min. Min. speed rpm
		P1	P2	P3			
		bar	bar	bar			
LTMH-90	91,45	230	250	265	1800	2700	300
LTMH-100	99,77	220	240	255			
LTMH-112	112,24	205	225	240			
LTMH-120	122,45	195	215	230	1500	2500	300

P1=Pressione max.continua
 P2=Pressione max. intermittente
 P3=Pressione max. di punta

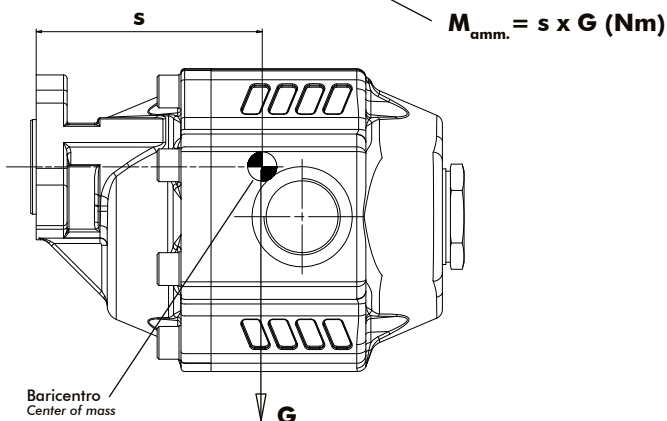
Max. continuous pressure
 Max. Intermittent pressure
 Max. peak pressure

(100%)
 (20 sec.max.)
 (6 sec.max)

IDENTIFICAZIONE ASPIRAZIONE/MANDATA / SUCTION/DELIVERY IDENTIFICATION:

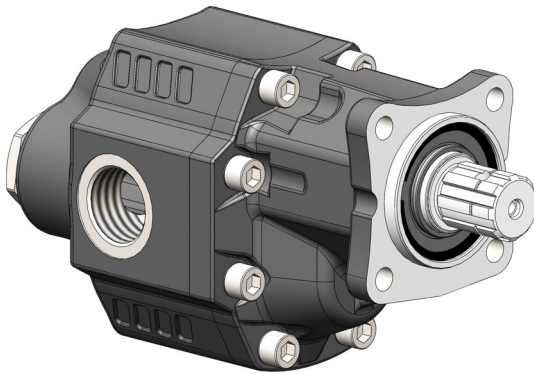
Rotazione antioraria, pompa sinistra Anti-clockwise rotation, left pump	Rotazione oraria, pompa destra Clockwise rotation, right pump
<p>Vista FRONTALE FRONT</p>	<p>Vista FRONTALE FRONT</p>

MOMENTO PESO / MASS MOMENT

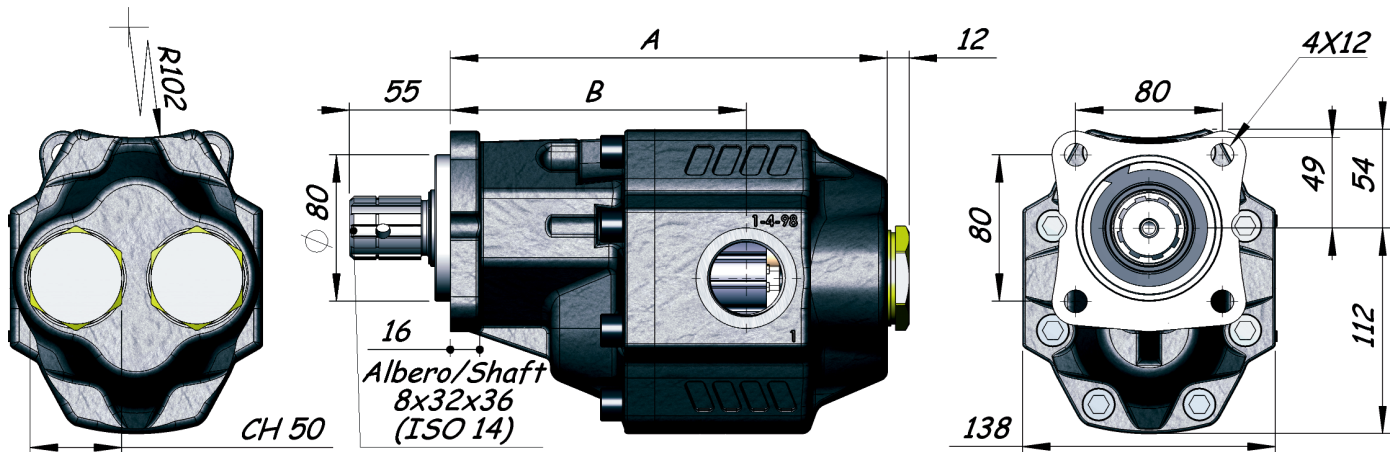


G=Peso in N (Peso in Kg x 9.81)
 G=Weight in N (Weight in Kg x 9.81)

Tipo pompa - Pump type	S
LTMH-90	126
LTMH-100	127
LTMH-112	127.5
LTMH-120	128

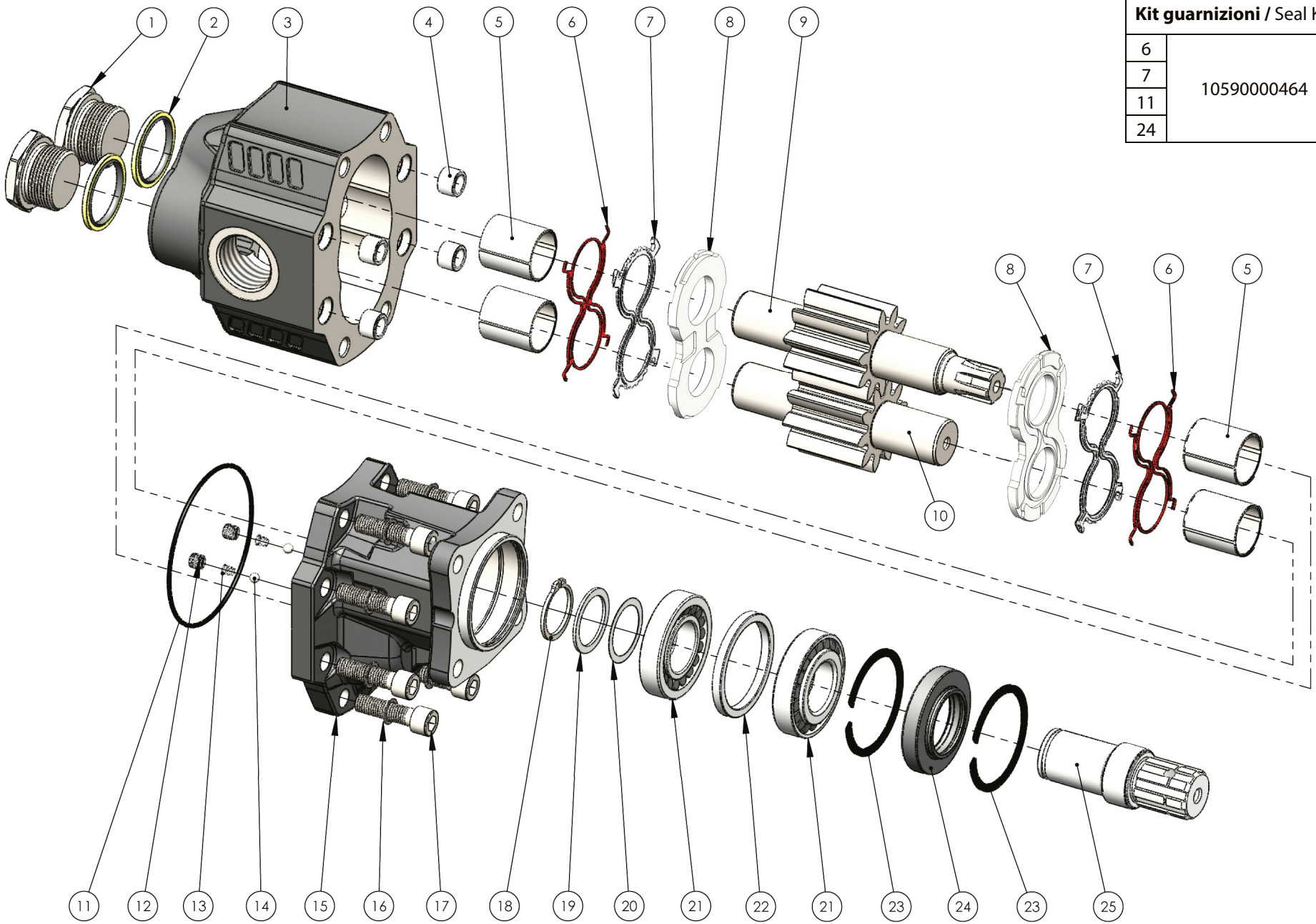


Fluido idraulico <i>Fluid</i>	Minerale o sintetico compatibile con guarnizioni: <i>Mineral or synthetic compatible with the following seals:</i> NBR, FKM, FPM, Nylon				
Viscosità cinematica consigliata <i>Kinematic viscosity suggested</i>	T media ambiente (°C) <i>Average ambient temp. (°C)</i>	< -10	-10÷10	10÷35	> 35
	VG (cSt = mm ² /s)	22	32	46	68
Viscosità cinematica ottimale di esercizio <i>Optimale kinematic viscosity</i>			VG= 10 cSt ÷ 100 cSt		
Viscosità cinematica max consentita all'avviamento <i>Max kinematic viscosity suggested at the start-up</i>			VG= 750 cSt		
Indice di viscosità consigliato <i>Viscosity index suggested</i>	VI > 100	Temperatura di esercizio <i>Working temperature</i> -15°C +100°C			
Grado di filtrazione <i>Oil filtering</i>			> 200 bar: 10 µm < 200 bar: 25 µm		
Pressione di aspirazione / <i>Inlet pressure</i>			-0,3 ÷ 2 bar		
Senso di rotazione / <i>Pump rotation</i>			Bidirezionale/ <i>Bidirectional</i>		

Ingombro / Dimensions

Dati tecnici / Technical data

Tipo pompa <i>Pump type</i>	Codice ordinazione <i>Order code</i>	IN	OUT	A	B	Peso <i>Weight</i>
		ISO 228	ISO 228	mm	mm	Kg
LTMH-90	10503310908	G 1 1/4	G 1 1/4	228,5	151,5	19,5
LTMH-100	10503311005			232,5	155,5	18,7
LTMH-112	10503311121			238,5	161,5	20
LTMH-120	10503311201			242,5	165,5	20,2

Kit guarnizioni / Seal Kit	
6	10590000464
7	
11	
24	



N°	90	100	112	120	Codice/Code	Descrizione / Description	Q.
1	54000200165	Tappo Acciaio 1"1/4 <i>Steel plug 1"1/4</i>	2
2	11600911137	Rondella acciaio-gomma 1"1/4 <i>Steel-rubber washer 1"1/4</i>	2
3	.				51701700907	Corpo pompa <i>Gear housing</i>	1
		.			51701701004		
			.		51701701120		
				.	51701701200		
4	50100300291	Spine forate di centraggio 18x12.5 <i>Pins 18x12.5</i>	4
5	53300400220	Boccola autolub. 32x36x40 <i>Bushing 32x36x40</i>	4
6	50600002014	Guarnizione antiestrusione <i>Back-up ring</i>	2
7	50600002005	Guarnizione per rasamento <i>Thrust plate seal</i>	2
8	51001000364	Rasamento ad occhiale <i>Thrust plate</i>	2
9	.				52303600901	Albero dentato conduttore <i>Drive shaft</i>	1
		.			52303601008		
			.		52303601124		
				.	52303601204		
10	.				52303500902	Albero dentato condotto <i>Driven shaft</i>	1
		.			52303501009		
			.		52303501125		
				.	52303501205		
11	50600002023	Guarnizione OR <i>O-ring</i>	1
12	50400000412	Grano valvola lubrificazione <i>Lube valve screw</i>	2
13	51200400206	Molla conica <i>Tapered spring</i>	2
14	51000900054	Sfera 1/4" <i>Ball 1/4"</i>	2
15	51800300385	Coperchio anteriore <i>Mounting cover</i>	1
16	50102000129	Rondella elastica <i>Washer</i>	8
17	50200500573	Vite TCE M12x45 <i>Screw M12x45</i>	8
18	50100001355	Anello seeger <i>Seeger ring</i>	1
19	52900700208	Rondella speciale 45x35x2 <i>Special washer 45x35x2</i>	1
20	52900700226	Rondella speciale 45x35x0,,2 <i>Special washer 45x35x0,2</i>	1
21	51000200211	Cuscinetto a rulli conici 35x72x18,25 <i>Tapered roller bearing 35x72x18,,25</i>	2
22	53000100783	Distanziale 60x72x6,75 <i>Spacer 60x72x6,75</i>	1
23	50100002729	Anello elastico <i>Circlip</i>	2
24	50600842723	Guarnizione paraolio <i>Oil seal</i>	1
25	11400500147	Manicotto <i>Coupling</i>	1

CARATTERISTICHE TECNICHE DI FUNZIONAMENTO - TECHNICAL FEATURES

Tipo pompa Pump type	Cilindrata Displacement <i>cm³/rev</i>	Pressione Pressure			Velocità max. continua Max. continuous speed <i>rpm</i>	Velocità max. intermittente Max. intermittent speed <i>rpm</i>	Velocità min. Min. speed <i>rpm</i>
		P1	P2	P3			
LTMH-90	91,45	230	250	265	1800	2700	300
LTMH-100	99,77	220	240	255			
LTMH-112	112,24	205	225	240			
LTMH-120	122,45	195	215	230	1500	2500	300

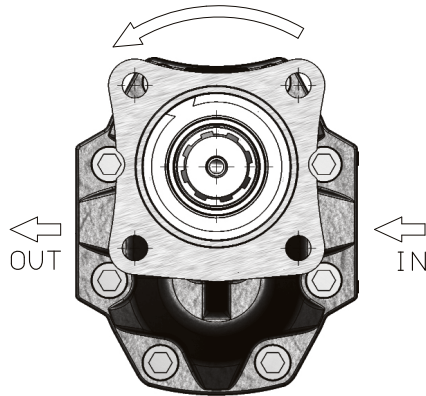
P1=Pressione max.continua
 P2=Pressione max. intermittente
 P3=Pressione max. di punta

Max. continuous pressure
 Max. intermittent pressure
 Max. peak pressure

(100%)
 (20 sec.max.)
 (6 sec.max)

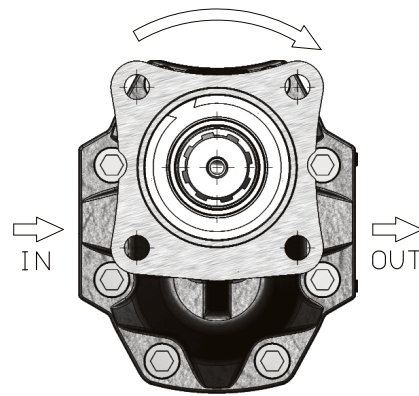
IDENTIFICAZIONE ASPIRAZIONE/MANDATA / SUCTION/DELIVERY IDENTIFICATION:

Rotazione antioraria, pompa sinistra
 Anti-clockwise rotation, left pump



Vista FRONTALE
 FRONT

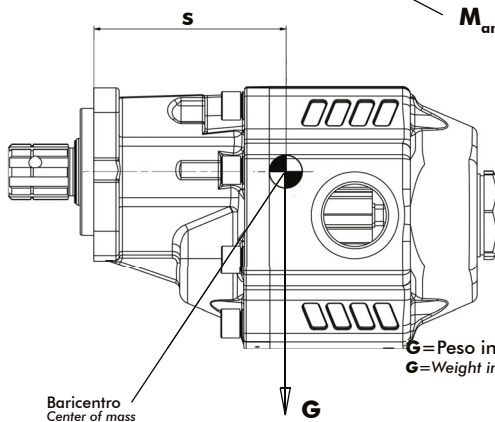
Rotazione oraria, pompa destra
 Clockwise rotation, right pump



Vista FRONTALE
 FRONT

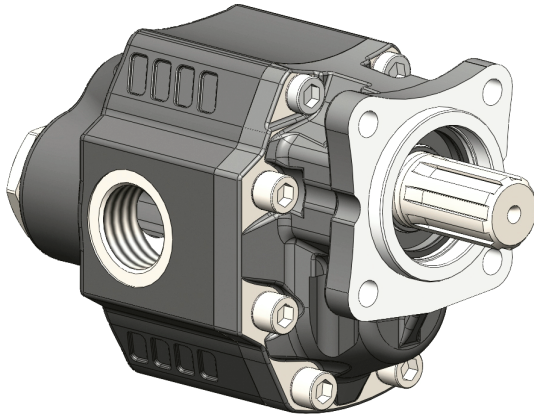
MOMENTO PESO / MASS MOMENT

$$M_{amm.} = s \times G \text{ (Nm)}$$

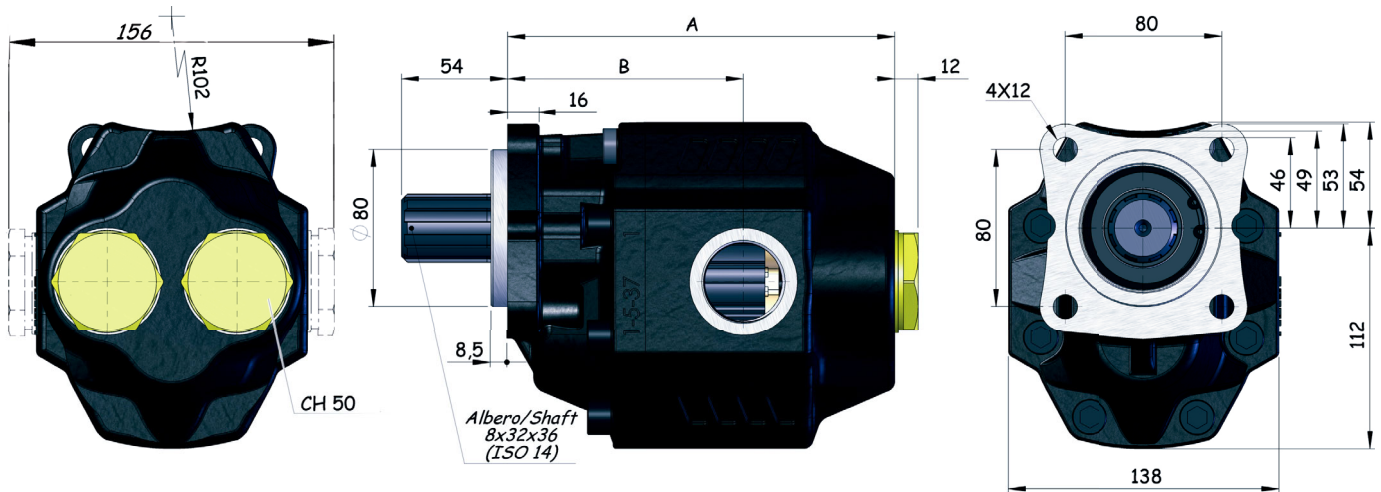


G=Peso in N (Peso in Kg x 9.81)
 G=Weight in N (Weight in Kg x 9.81)

Tipo pompa - Pump type	S
LTMH-90	123
LTMH-100	126
LTMH-112	129
LTMH-120	132



Fluido idraulico <i>Fluid</i>	Minerale o sintetico compatibile con guarnizioni: <i>Mineral or synthetic compatible with the following seals:</i> NBR, FKM, FPM, Nylon				
Viscosità cinematica consigliata <i>Kinematic viscosity suggested</i>	T media ambiente (°C) <i>Average ambient temp. (°C)</i>	< -10	-10÷10	10÷35	> 35
	VG (cSt = mm ² /s)	22	32	46	68
Viscosità cinematica ottimale di esercizio <i>Optimale kinematic viscosity</i>			VG= 10 cSt ÷ 100 cSt		
Viscosità cinematica max consentita all'avviamento <i>Max kinematic viscosity suggested at the start-up</i>			VG= 750 cSt		
Indice di viscosità consigliato <i>Viscosity index suggested</i>	VI > 100		Temperatura di esercizio <i>Working temperature</i>		
			-15°C +100°C		
Grado di filtrazione <i>Oil filtering</i>			> 200 bar: 10 µm < 200 bar: 25 µm		
Pressione di aspirazione / Inlet pressure			-0,3 ÷ 2 bar		
Senso di rotazione / Pump rotation			Bidirezionale/Bidirectional		

Ingombro / Dimensions

Dati tecnici / Technical data

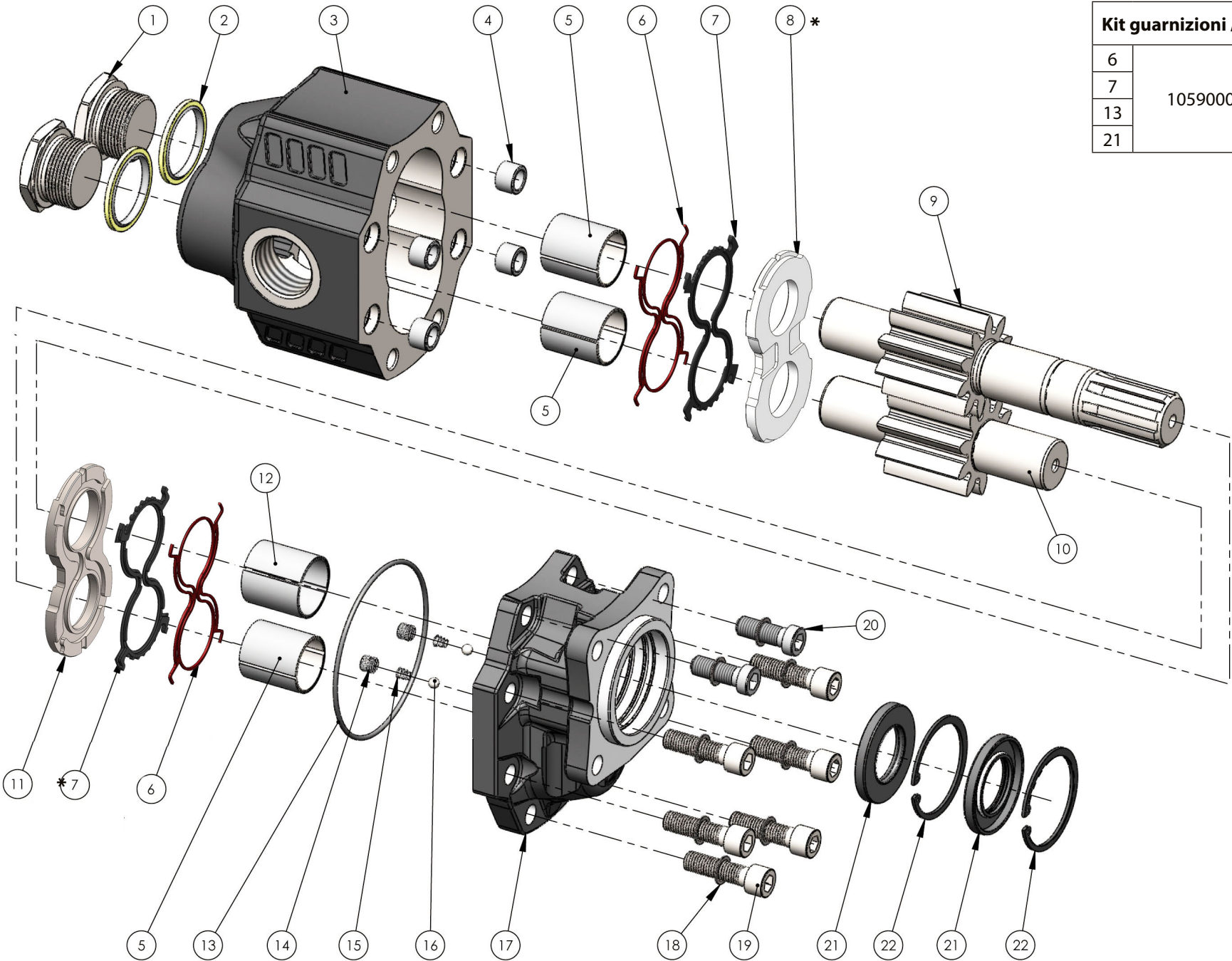
Tipo pompa <i>Pump type</i>	Codice ordinazione <i>Order code</i>	IN	OUT	A	B	Peso <i>Weight</i>
		ISO 228	ISO 228	mm	mm	Kg
LTMH-90	10503320906	G 1 1/4	G 1 1/4	187,5	110,5	18
LTMH-100	10503321003			191,5	114,5	17,2
LTMH-112	10503321129			197,5	120,5	18,5
LTMH-120	10503321209			201,5	124,5	18,7



POMPE DA NON UTILIZZARE CON CARICHI ASSIALI E RADIALI SULL'ALBERO
 NO AXIAL AND RADIAL LOADS ALLOWED ON PUMP SHAFT

Kit guarnizioni / Seal Kit

6	10590000491
7	
13	
21	



N°	90	100	112	120	Codice/Code	Descrizione / Description	Q.
1	54000200165	Tappo acciaio 1"1/4 <i>Steel plug 1"1/4</i>	2
2	11600901137	Rondella acciaio-gomma 1"1/4 <i>Steel-rubber washer 1"1/4</i>	2
3	.				51701700907	Corpo pompa <i>Gear housing</i>	1
		.			51701701004		
			.		51701701120		
				.	51701701200		
4	50100300291	Spine forate di centraggio 18x12.5 <i>Pins 18x12.5</i>	4
5	53300400220	Boccola autolub. 32x36x40 <i>Bushing 32x36x40</i>	3
6	50600002014	Guarnizione antiestrusione <i>Back-up ring</i>	2
7	50600002005	Guarnizione per rasamento <i>Thrust plate seal</i>	2
8	51001000364	Rasamento ad occhiale ALU <i>ALU thrust plate</i>	1
9	*				52303700900	Albero dentato conduttore <i>Drive shaft</i>	1
		.			52303701007		
			.		52303701123		
				.	52303701203		
10	.				52303500902	Albero dentato condotto <i>Driven shaft</i>	1
		.			52303501009		
			.		52303501125		
				.	52303501205		
11	51001000499A	Rasamento ad occhiale BIMETAL <i>BIMETAL thrust plate</i>	1
12	*	.	.	.	53300400248	Boccola autolub. 35x39x40 <i>Bushing 35x39x40</i>	1
13	50600002023	Guarnizione OR <i>O-ring</i>	1
14	50400000412	Grano valvola lubrificazione <i>Lube valve screw</i>	2
15	51200400206	Molla conica <i>Tapered spring</i>	2
16	51000900054	Sfera 1/4" <i>Ball 1/4"</i>	2
17	51800300429	Coperchio anteriore <i>Mounting cover</i>	1
18	50102000129	Rondella elastica <i>Washer</i>	8
19	50200500573	Vite TCE M12x45 <i>Screw M12x45</i>	6
20	50200000265	Vite TCE M12x35 <i>Screw M12x35</i>	2
21	50602462354	Guarnizione paraolio <i>Oil seal</i>	2
22	50100100588	Anello seeger <i>Seeger ring</i>	2

* In caso di necessità di sostituzione dei rasamenti, se nella pompa sono presenti due rasamenti di alluminio è necessario sostituirli entrambi utilizzando i codici indicati nella lista dei ricambi. In questo caso è necessario sostituire anche le guarnizioni.

* If there are two aluminium thrust plates in the pump, it is necessary to replace both. Please use the indicated spare parts codes. In this case, the seals must also be replaced.

CARATTERISTICHE TECNICHE DI FUNZIONAMENTO - TECHNICAL FEATURES

Tipo pompa Pump type	Cilindrata Displacement cm ³ /rev	Pressione Pressure			Velocità max. continua Max. continuous speed rpm	Velocità max. intermittente Max. intermittent speed rpm	Velocità min. Min. speed rpm
		P1	P2	P3			
		bar	bar	bar			
LTMH-90	91,45	230	250	265	1800	2700	300
LTMH-100	99,77	220	240	255			
LTMH-112	112,24	205	225	240			
LTMH-120	122,45	195	215	230	1500	2500	300

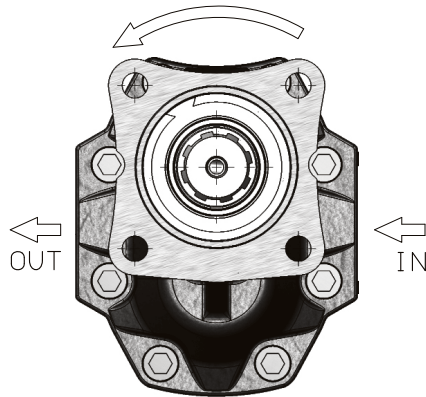
P1=Pressione max.continua
P2=Pressione max. intermittente
P3=Pressione max. di punta

Max. continuous pressure
Max. Intermittent pressure
Max. peak pressure

(100%)
(20 sec.max.)
(6 sec.max)

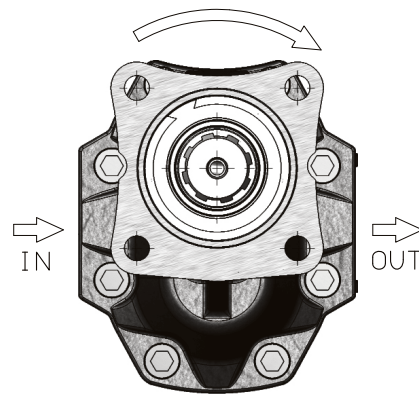
IDENTIFICAZIONE ASPIRAZIONE/MANDATA / SUCTION/DELIVERY IDENTIFICATION:

Rotazione antioraria, pompa sinistra
Anti-clockwise rotation, left pump



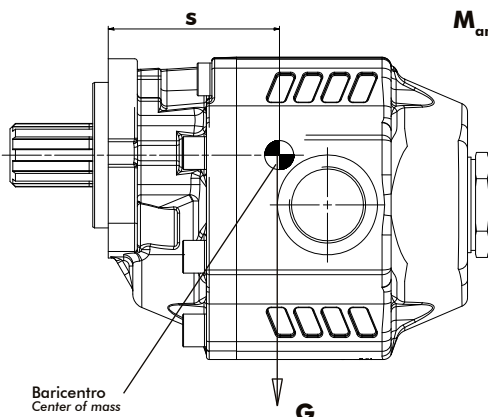
Vista FRONTALE
FRONT

Rotazione oraria, pompa destra
Clockwise rotation, right pump



Vista FRONTALE
FRONT

MOMENTO PESO / MASS MOMENT



$$M_{amm.} = s \times G \text{ (Nm)}$$

G=Peso in N (Peso in Kg x 9.81)
G=Weight in N (Weight in Kg x 9.81)

Tipo pompa - Pump type	S
LTMH-90	97
LTMH-100	101
LTMH-112	104
LTMH-120	107

Алматы (7273)495-231
Ангарск (3955)60-70-56
Архангельск (8182)63-90-72
Астрахань (8512)99-46-04
Барнаул (3852)73-04-60
Белгород (4722)40-23-64
Благовещенск (4162)22-76-07
Брянск (4832)59-03-52
Владивосток (423)249-28-31
Владикавказ (8672)28-90-48
Владимир (4922)49-43-18
Волгоград (844)278-03-48
Вологда (8172)26-41-59
Воронеж (473)204-51-73
Екатеринбург (343)384-55-89

Иваново (4932)77-34-06
Ижевск (3412)26-03-58
Иркутск (395)279-98-46
Казань (843)206-01-48
Калининград (4012)72-03-81
Калуга (4842)92-23-67
Кемерово (3842)65-04-62
Киров (8332)68-02-04
Коломна (4966)23-41-49
Кострома (4942)77-07-48
Краснодар (861)203-40-90
Красноярск (391)204-63-61
Курск (4712)77-13-04
Курган (3522)50-90-47
Липецк (4742)52-20-81

Магнитогорск (3519)55-03-13
Москва (495)268-04-70
Мурманск (8152)59-64-93
Набережные Челны (8552)20-53-41
Нижний Новгород (831)429-08-12
Новокузнецк (3843)20-46-81
Ноябрьск (3496)41-32-12
Новосибирск (383)227-86-73
Омск (3812)21-46-40
Орел (4862)44-53-42
Оренбург (3532)37-68-04
Пенза (8412)22-31-16
Петрозаводск (8142)55-98-37
Псков (8112)59-10-37
Пермь (342)205-81-47

Ростов-на-Дону (863)308-18-15
Рязань (4912)46-61-64
Самара (846)206-03-16
Санкт-Петербург (812)309-46-40
Саратов (845)249-38-78
Севастополь (8692)22-31-93
Саранск (8342)22-96-24
Симферополь (3652)67-13-56
Смоленск (4812)29-41-54
Сочи (862)225-72-31
Ставрополь (8652)20-65-13
Сургут (3462)77-98-35
Сыктывкар (8212)25-95-17
Тамбов (4752)50-40-97
Тверь (4822)63-31-35

Тольятти (8482)63-91-07
Томск (3822)98-41-53
Тула (4872)33-79-87
Тюмень (3452)66-21-18
Ульяновск (8422)24-23-59
Улан-Удэ (3012)59-97-51
Уфа (347)229-48-12
Хабаровск (4212)92-98-04
Чебоксары (8352)28-53-07
Челябинск (351)202-03-61
Череповец (8202)49-02-64
Чита (3022)38-34-83
Якутск (4112)23-90-97
Ярославль (4852)69-52-93

Россия +7(495)268-04-70

Казахстан +7(7172)727-132

Киргизия +996(312)96-26-47