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# Esprit / Bessacarr 400 Tech Handbook





# Contents

pecifications	2
apacities	8
owing Capabilities1	l (
acking 1	12
iring Diagrams 1	13
ulb Chart 1	9
ulb Replacement2	20

### **Specifications**

Model	Esprit 412 / Bessacarr 412 Standard (Air Con / Cruise Control)			
Roof Profile	Low Line	Low Line		
Engine	130 MJT	130 MJT		
Engine Capacity	2287cc	2287cc		
Max Power	96kW @ 3600rpm	96kW @ 3600rpm		
Torque	320 @ 1800rpm	320 @ 1800rpm		
Chassis	SWB Fiat Chassis	SWB Fiat Chassis		
Wheel base	3.00m/9'10"	3.00m/9'10"		
Designated Passenger Seats excluding Driver		1		
Berths (sleeping positions)		2		
Overall Length (no ladder)*	5.85m/19'2"			
Overall Width (mirrors folded)	2.31m/7'7"			
Overall Height*	2.85m/9'4"			
Maximum Technical Permissible Laden Mass (A)	3300kg			
Mass in Running Order (B)	2905kg	2922kg		
Maximum User Payload (A-B)	395kg	378kg		
Unladen Weight	2649kg	2666kg		
Essential Habitation Equipment	Ç	lkg		
Thermal Insulation Grade	Tr	nree		
Bed Sizes				
Front Double	2.04m x 1.30	Om/6'8" x 4'3"		
Front Nearside Single	1.87m x 0.70	Om/6'2" x 2'4"		
Front Offside Single	1.87m x 0.70	Om/6'2" x 2'4"		
Rear Double				
Rear Nearside Single				
Rear Offside Single				
Overcab Bed				

Standard (Air Con / Cruise Control)	Optional (Air Con / Cruise Control / Auto)	Standard (Air Con / Cruise Control)	Optional (Air Con / Cruise Control / Auto)	
Low Line	Low Line	High Line	High Line	
130 MJT	130 MJT	130 MJT	130 MJT	
2287cc	2287cc	2287cc	2287cc	
96kW @ 3600rpm	96kW @ 3600rpm	96kW @ 3600rpm	96kW @ 3600rpm	
320 @ 1800rpm	320 @ 1800rpm	320 @ 1800rpm	320 @ 1800rpm	
MWB Fiat Chassis	MWB Fiat Chassis	MWB Fiat Chassis	MWB Fiat Chassis	
3.45m/11'4"	3.45m/11'4"	3.45m/11'4"	3.45m/11'4"	
	1		3	
	2		4	
6.43	lm/21'1"	6.43	m/21'1"	
2.3	1m/7'7"	2.31m/7'7"		
2.85m/9'4"		2.94m/9'8"		
3500kg		3500kg		
2996kg**	3013kg**	3141kg	3158kg	
504kg**	487kg**	359kg	342kg	
2760kg**	2777kg**	2904kg	2921kg	
9kg		9kg		
Three		Three		
			- 0.00	
2.04m x 1.87m/6'8" x 6'2"		2.04m x 1.87m/6'8" x 6'2"		
	66m/6'2" x 2'2"	1.87m x 0.63m/6'2" x 2'1"		
1.87m x 0.	66m/6'2" x 2'2"		3m/6'2" x 2'1"	
		1.91m x 1.3	7m/6'3" x 4'6"	

Esprit 464 / Bessacarr 464

Esprit 464 / Bessacarr 464

Esprit 462 / Bessacarr 462

Esprit 462 / Bessacarr 462

- NOTE: 1. The Maximum User Payload includes: a) the conventional load (this is the allowance for passengers)
- b) **essential habitation equipment** (items and fluids required for safe and proper functioning of habitation equipment)
- c) **optional equipment** (items available from the manufacturer over and above the standard specification)
- d) **personal effects** (those items not covered by the above)
- The Mass in Running Order is the mass of the unladen vehicle including a 75kg allowance for the driver plus engine coolants and 90% of the fuel tank, water tank and gas capacity.
- 3. PLEASE TAKE CARE TO ENSURE THAT YOU HAVE ALLOWED FOR THE MASSES OF ALL ITEMS YOU INTEND TO CARRY IN THE MOTOR CARAVAN, e.g. passengers, optional equipment, essential habitation equipment and personal effects, such as clothing, food, pets, bicycles, sailboards, sports equipment etc.
- 4. WARNING UNDER NO CIRCUMSTANCES SHOULD THE MAXIMUM TECHNICAL PERMISSIBLE LADEN MASS OF THIS MOTOR CARAVAN BE EXCEEDED.
- \* For optional roof ladder add 125mm to length and 40mm to Low Line height.

### **Specifications**

Model	Esprit 484 / Bessacarr 484 Standard (Air Con / Cruise Control)	Esprit 484 / Bessacarr 484 Optional (Air Con / Cruise Control / Auto)		
Roof Profile	Low Line	Low Line		
Engine	130 MJT	130 MJT		
Engine Capacity	2287cc	2287cc		
Max Power	96kW @ 3600rpm	96kW @ 3600rpm		
Torque	320 @ 1800 rpm	320 @ 1800rpm		
Chassis	MLWB Fiat Chassis	MLWB Fiat Chassis		
Wheel base	3.80m	/12'6"		
Designated Passenger Seats excluding Driver		3		
Berths (sleeping positions)	4	4		
Overall Length (no ladder)*	6.72m	/22'1"		
Overall Width (mirrors folded)	2.31m/7'7"			
Overall Height*	2.85m/9'4"			
Maximum Technical Permissible Laden Mass (A)	350	10kg		
Mass in Running Order (B)	3125kg	3142kg		
Maximum User Payload (A-B)	375kg	358kg		
Unladen Weight	2869kg	2886kg		
Essential Habitation Equipment	91	kg		
Thermal Insulation Grade	THI	REE		
Bed Sizes				
Front Double	2.04m x 1.21m/0.9	4m/6'8" x 4'4"/3'1"		
Front Nearside Single				
Front Offside Single		·		
Rear Double	2.06m x 1.21	m/6'9" x 4'0"		
Rear Nearside Single		<u> </u>		
Rear Offside Single				
Overcab Bed				
	<u> </u>			

rpm 96kW pm 320	7.25m 2.31r	130 228 96kW @ 320 @ <sup>2</sup>	r Line r Line MJT 87cc 3600rpm 1800rpm tt Chassis
rpm 96kW pm 320 ssis LWB	2287cc  V @ 3600rpm @ 1800rpm Fiat Chassis 4.04n  7.25n 2.31r 2.85r 3650kg	228 96kW @ 320 @ 1 LWB Fiat n/13'3" 1 2 n/23'9" m/7'7" m/9'4" 3500kg	87cc 3600rpm 1800rpm tt Chassis
rpm 96kW pm 320 ssis LWB 3500kg 3100kg	V @ 3600rpm @ 1800rpm Fiat Chassis 4.04n 7.25n 2.31r 2.85r 3650kg	96kW @ 320 @ LWB Fiat n/13'3"  1 2 n/23'9" m/7'7" m/9'4" 3500kg	3600rpm 1800rpm it Chassis
320 sisis LWB 3500kg 3100kg	@ 1800rpm Fiat Chassis  4.04n  7.25n  2.31n  2.85n  3650kg	320 @ 1 LWB Fiat n/13'3" 1 2 n/23'9" m/7'7" m/9'4" 3500kg	1800rpm at Chassis
3500kg 3100kg	7.25m 2.31r 2.85r 3650kg	LWB Fiat n/13'3" 1 2 n/23'9" m/7'7" m/9'4" 3500kg	t Chassis
3500kg 3100kg	7.25n 2.31r 2.85r 3650kg	n/13'3" 1 2 n/23'9" m/7'7" m/9'4" 3500kg	3650
3100kg	7.25n 2.31r 2.85r 3650kg	1 2 n/23'9" m/7'7" m/9'4" 3500kg	+
3100kg	7.25n 2.31r 2.85r 3650kg	2 n/23'9" m/7'7" m/9'4" 3500kg	+
3100kg	7.25n 2.31r 2.85r 3650kg	n/23'9" m/7'7" m/9'4" 3500kg	+
3100kg	2.31r 2.85r 3650kg	m/7'7" m/9'4" 3500kg	+
3100kg	2.85r 3650kg	m/9'4" 3500kg	+
3100kg	3650kg	3500kg	+
3100kg		<u> </u>	+
	3100kg	3117kg	
400kg			3117
	550kg	383kg	533k
2844kg	2844kg	2861kg	2861
	9	lkg	
	TH	REE	
	2.04m v 1.45	2m/6'8" v 4'8"	
	1.00111 X U.70	JII/U Z X Z 4	
		2.04m x 1.42 1.88m x 0.70	9kg THREE  2.04m x 1.42m/6'8" x 4'8"  1.88m x 0.70m/6'2" x 2'4"  1.88m x 0.70m/6'2" x 2'4"

Esprit 442 / Bessacarr 442

Standard

Esprit 442 / Bessacarr 442

Optional

Esprit 454 / Bessacarr 454

Optional

Esprit 454 / Bessacarr 454

Standard

- NOTE: 1. The Maximum User Payload includes: a) the conventional load (this is the allowance for passengers)
- b) **essential habitation equipment** (items and fluids required for safe and proper functioning of habitation equipment)
- c) **optional equipment** (items available from the manufacturer over and above the standard specification)
- d) **personal effects** (those items not covered by the above)
- The **Mass in Running Order** is the mass of the unladen vehicle including a 75kg allowance for the driver plus engine coolants and 90% of the fuel tank, water tank and gas capacity.
- 3. PLEASE TAKE CARE TO ENSURE THAT YOU HAVE ALLOWED FOR THE MASSES OF ALL ITEMS YOU INTEND TO CARRY IN THE MOTOR CARAVAN, e.g. passengers, optional equipment, essential habitation equipment and personal effects, such as clothing, food, pets, bicycles, sailboards, sports equipment etc.
- 4. WARNING UNDER NO CIRCUMSTANCES SHOULD THE MAXIMUM TECHNICAL PERMISSIBLE LADEN MASS OF THIS MOTOR CARAVAN BE EXCEEDED.
- \* For optional roof ladder add 125mm to length and 40mm to Low Line height.

### **Specifications**

Engine 130 MJT 130 MJT 130 MJT 2287cc 2287cc 2287cc Engine Power 96kW @ 3600rpm 96kW @ 3600rpm 320 @ 1800rpm 320 @	Model	Esprit 444 / Bessacarr 444 Standard (Air Con / Cruise Control)	Esprit 444 / Bessacarr 444 Optional (Air Con / Cruise Control / Auto)		
Engine Capacity 2287cc 2287cc Engine Power 96kW @ 3600rpm 96kW @ 3600rpm Torque 320 @ 1800rpm 320 @ 1800rpm Chassis Fiat/AL-KO High Line Chassis Fiat/AL-KO High Line Chassis Wheel base 4.48m/14'8"  Designated Passenger Seats excluding Driver 3  Berths (sleeping positions) 4  Overall Length (no ladden)* 7.65m/25'1"  Overall Wridth (mirrors folded) 2.31m/7'7"  Overall Height* 2.85m/9'4"  Maximum Technical Permissible Laden Mass (A) 4250kg 4250kg  Mass in Running Order (B) 3190kg** 3207kg**  Maximum User Payload (A-B) 1060kg** 1043kg**  Unladen Weight 2934kg** 2951kg**  Essential Habitation Equipment 9kg  Thermal Insulation Grade THREE   Bed Sizes  Front Double 2.04m x 1.21m/1.04m/6'8" x 4'0"/3'5"  Front Nearside Single  Front Offside Single  Rear Ouble 1.88m x 1.26m/6'2" x 4'2"  Rear Nearside Single  Rear Offside Single	Roof Profile	Low Line	Low Line		
Engine Power 96kW @ 3600rpm 96kW @ 3600rpm Torque 320 @ 1800rpm 320 @ 1800rpm Chassis Fiat/AL-KO High Line Chassis Fiat/AL-KO High Line Chassis Wheel base 4.48m/14'8"  Designated Passenger Seats excluding Driver 3  Berths (sleeping positions) 4  Overall Length (no ladder)* 7.65m/25'1"  Overall Width (mirrors folded) 2.31m/7'7"  Overall Height* 2.85m/9'4"  Maximum Technical Permissible Laden Mass (A) 4250kg 4250kg  Mass in Running Order (B) 3190kg** 3207kg**  Maximum User Payload (A-B) 1060kg** 1043kg**  Unladen Weight 2934kg** 2951kg**  Essential Habitation Equipment 9kg  Thermal Insulation Grade THREE   Bed Sizes  Front Double 2.04m x 1.21m/1.04m/6'8" x 4'0"/3'5"  Front Nearside Single  Front Offside Single  Rear Double 1.88m x 1.26m/6'2" x 4'2"  Rear Nearside Single  Rear Offside Single	Engine	130 MJT	130 MJT		
	Engine Capacity	2287cc	2287cc		
Chassis         Fiat/AL-KO High Line Chassis         Fiat/AL-KO High Line Chassis           Wheel base         4.48m/14'8"           Designated Passenger Seats excluding Driver         3           Berths (sleeping positions)         4           Overall Length (no ladder)*         7.65m/25'1"           Overall Width (mirrors folded)         2.31m/7'7"           Overall Height*         2.85m/9'4"           Maximum Technical Permissible Laden Mass (A)         4250kg         4250kg           Mass in Running Order (B)         3190kg**         3207kg**           Maximum User Payload (A-B)         1060kg**         1043kg**           Unladen Weight         2934kg**         2951kg**           Essential Habitation Equipment         9kg           Thermal Insulation Grade         THREE           Bed Sizes         Front Double         2.04m x 1.21m/1.04m/6'8" x 4'0"/3'5"           Front Offside Single         1.88m x 1.26m/6'2" x 4'2"           Rear Double         1.88m x 1.26m/6'2" x 4'2"           Rear Nearside Single         1.88m x 1.26m/6'2" x 4'2"	Engine Power	96kW @ 3600rpm	96kW @ 3600rpm		
Wheel base	Torque	320 @ 1800rpm	320 @ 1800rpm		
Designated Passenger Seats excluding Driver   3	Chassis	Fiat/AL-KO High Line Chassis	Fiat/AL-KO High Line Chassis		
Berths (sleeping positions)   4	Wheel base	4.48i	m/14'8"		
Overall Length (no ladder)*         7.65m/25'1"           Overall Width (mirrors folded)         2.31m/7'7"           Overall Height*         2.85m/9'4"           Maximum Technical Permissible Laden Mass (A)         4250kg         4250kg           Mass in Running Order (B)         3190kg***         3207kg**           Maximum User Payload (A-B)         1060kg***         1043kg**           Unladen Weight         2934kg**         2951kg**           Essential Habitation Equipment         9kg           Thermal Insulation Grade         THREE           Bed Sizes         2.04m x 1.21m/1.04m/6'8" x 4'0"/3'5"           Front Double         2.04m x 1.21m/1.04m/6'8" x 4'0"/3'5"           Front Offside Single         1.88m x 1.26m/6'2" x 4'2"           Rear Double         1.88m x 1.26m/6'2" x 4'2"	Designated Passenger Seats excluding Driver		3		
Overall Width (mirrors folded)         2.31m/7'7"           Overall Height*         2.85m/9'4"           Maximum Technical Permissible Laden Mass (A)         4250kg         4250kg           Mass in Running Order (B)         3190kg**         3207kg**           Maximum User Payload (A-B)         1060kg**         1043kg**           Unladen Weight         2934kg**         2951kg**           Essential Habitation Equipment         9kg           Thermal Insulation Grade         THREE           Bed Sizes         2.04m x 1.21m/1.04m/6'8" x 4'0"/3'5"           Front Double         2.04m x 1.21m/1.04m/6'8" x 4'0"/3'5"           Front Offside Single         1.88m x 1.26m/6'2" x 4'2"           Rear Double         1.88m x 1.26m/6'2" x 4'2"           Rear Offside Single         1.88m x 1.26m/6'2" x 4'2"	Berths (sleeping positions)		4		
Overall Height*         2.85m/9'4"           Maximum Technical Permissible Laden Mass (A)         4250kg         4250kg           Mass in Running Order (B)         3190kg**         3207kg**           Maximum User Payload (A-B)         1060kg**         1043kg**           Unladen Weight         2934kg**         2951kg**           Essential Habitation Equipment         9kg           Thermal Insulation Grade         THREE           Bed Sizes         2.04m x 1.21m/1.04m/6'8" x 4'0"/3'5"           Front Double         2.04m x 1.21m/1.04m/6'8" x 4'0"/3'5"           Front Offside Single         1.88m x 1.26m/6'2" x 4'2"           Rear Double         1.88m x 1.26m/6'2" x 4'2"           Rear Nearside Single         Rear Offside Single	Overall Length (no ladder)*	7.65m/25'1"			
Maximum Technical Permissible Laden Mass (A)         4250kg         4250kg           Mass in Running Order (B)         3190kg**         3207kg**           Maximum User Payload (A-B)         1060kg**         1043kg**           Unladen Weight         2934kg**         2951kg**           Essential Habitation Equipment         9kg           Thermal Insulation Grade         THREE           Bed Sizes         Front Double         2.04m x 1.21m/1.04m/6'8" x 4'0"/3'5"           Front Nearside Single         1.88m x 1.26m/6'2" x 4'2"           Rear Double         1.88m x 1.26m/6'2" x 4'2"           Rear Nearside Single         Rear Offside Single	Overall Width (mirrors folded)	2.31m/7'7"			
Mass in Running Order (B)         3190kg**         3207kg**           Maximum User Payload (A-B)         1060kg**         1043kg**           Unladen Weight         2934kg**         2951kg**           Essential Habitation Equipment         9kg           Thermal Insulation Grade         THREE           Bed Sizes         Front Double         2.04m x 1.21m/1.04m/6'8" x 4'0"/3'5"           Front Nearside Single         Front Offside Single           Rear Double         1.88m x 1.26m/6'2" x 4'2"           Rear Nearside Single         Rear Offside Single	Overall Height*	2.85	m/9'4"		
Maximum User Payload (A-B)         1060kg**         1043kg**           Unladen Weight         2934kg**         2951kg**           Essential Habitation Equipment         9kg           Thermal Insulation Grade         THREE           Bed Sizes         Front Double         2.04m x 1.21m/1.04m/6'8" x 4'0"/3'5"           Front Nearside Single         Front Offside Single           Rear Double         1.88m x 1.26m/6'2" x 4'2"           Rear Nearside Single         Rear Offside Single	Maximum Technical Permissible Laden Mass (A)	4250kg	4250kg		
Unladen Weight  Essential Habitation Equipment  9kg  Thermal Insulation Grade  THREE   Bed Sizes  Front Double  2.04m x 1.21m/1.04m/6'8" x 4'0"/3'5"  Front Nearside Single  Front Offside Single  Rear Double  1.88m x 1.26m/6'2" x 4'2"  Rear Nearside Single  Rear Offside Single	Mass in Running Order (B)	3190kg**	3207kg**		
Essential Habitation Equipment 9kg  Thermal Insulation Grade THREE   Bed Sizes  Front Double 2.04m x 1.21m/1.04m/6'8" x 4'0"/3'5"  Front Nearside Single  Front Offside Single  Rear Double 1.88m x 1.26m/6'2" x 4'2"  Rear Nearside Single  Rear Offside Single	Maximum User Payload (A-B)	1060kg**	1043kg**		
Thermal Insulation Grade  THREE  Bed Sizes  Front Double  2.04m x 1.21m/1.04m/6'8" x 4'0"/3'5"  Front Nearside Single  Front Offside Single  Rear Double  1.88m x 1.26m/6'2" x 4'2"  Rear Nearside Single  Rear Offside Single	Unladen Weight	2934kg**	2951kg**		
Bed Sizes           Front Double         2.04m x 1.21m/1.04m/6'8" x 4'0"/3'5"           Front Nearside Single         Front Offside Single           Rear Double         1.88m x 1.26m/6'2" x 4'2"           Rear Nearside Single         Rear Offside Single	Essential Habitation Equipment	,	Эkg		
Front Double 2.04m x 1.21m/1.04m/6'8" x 4'0"/3'5"  Front Nearside Single  Front Offside Single  Rear Double 1.88m x 1.26m/6'2" x 4'2"  Rear Nearside Single  Rear Offside Single	Thermal Insulation Grade	Th	HREE		
Front Nearside Single Front Offside Single Rear Double 1.88m x 1.26m/6'2" x 4'2" Rear Nearside Single Rear Offside Single	Bed Sizes				
Front Offside Single  Rear Double	Front Double	2.04m x 1.21m/1.	04m/6'8" x 4'0"/3'5"		
Rear Double         1.88m x 1.26m/6'2" x 4'2"           Rear Nearside Single         Rear Offside Single	Front Nearside Single				
Rear Nearside Single Rear Offside Single	Front Offside Single		<u> </u>		
Rear Offside Single	Rear Double	1.88m x 1.2	6m/6'2" x 4'2"		
	Rear Nearside Single				
Overcab Bed	Rear Offside Single				
	Overcab Bed				

Esprit 496 / Bessacarr 496 Standard (Air Con / Cruise Control)	Esprit 496 / Bessacarr 496 Optional (Air Con / Cruise Control / Auto)			
High Line	High Line			
130 MJT	130 MJT			
2287cc	2287cc			
96kW @ 3600rpm	96kW @ 3600rpm			
320 @ 1800rpm	320 @ 1800rpm			
Fiat/AL-KO High Line Chassis	Fiat/AL-KO High Line Chassis			
4.48m	/14'8"			
!	5			
	6			
7.65m	/25'1"			
2.31r	n/7'7"			
2.94r	n/9'8"			
4250kg	4250kg			
3384kg	3401kg			
866kg	849kg			
3128kg	3145kg			
9	kg			
TH	REE			
1.90m x 1.24	1.90m x 1.24m/6'3" x 4'1"			
1.90m x 0.92	1.90m x 0.92m/6'3" x 3'0"			
	m/6'8" x 5'6"			
1.86m x 0.66	im/6'1" x 2'2"			
1.67m x 0.66m/5'6" x 2'2"				
1.91m x 1.37	1.91m x 1.37m/6'3" x 4'6"			

- NOTE: 1. The Maximum User Payload includes: a) the conventional load (this is the allowance for passengers)
- b) **essential habitation equipment** (items and fluids required for safe and proper functioning of habitation equipment)
- c) **optional equipment** (items available from the manufacturer over and above the standard specification)
- d) **personal effects** (those items not covered by the above)
- The Mass in Running Order is the mass of the unladen vehicle including a 75kg allowance for the driver plus engine coolants and 90% of the fuel tank, water tank and gas capacity.
- 3. PLEASE TAKE CARE TO ENSURE THAT YOU HAVE ALLOWED FOR THE MASSES OF ALL ITEMS YOU INTEND TO CARRY IN THE MOTOR CARAVAN, e.g. passengers, optional equipment, essential habitation equipment and personal effects, such as clothing, food, pets, bicycles, sailboards, sports equipment etc.
- 4. WARNING UNDER NO CIRCUMSTANCES SHOULD THE MAXIMUM TECHNICAL PERMISSIBLE LADEN MASS OF THIS MOTOR CARAVAN BE EXCEEDED.
- \* For optional roof ladder add 125mm to length and 40mm to Low Line height.
- \*\* Estimated

# Capacities

### **Water Tank Capacities**

	Fresh Water Tank	Waste Water Tank	Water Heater
Esprit / Bessacarr 400	90 litre	68 litre	10 litre
Esprit 462 & 464 / Bessacarr 462 & 464	94 litre	60 litre	10 litre

### **Gas Capacities**

	Capacity
Esprit / 400	2 x 7kg

The above are recommended gas bottle sizes

NOTICE: For technical data on the base vehicle please refer to manufacturer's handbook

### **Towing Capabilities**

#### **Esprit / Bessacarr 400 Towing Capabilities**

Model	Engine / Chassis	MTPLM	Permissible Front Axle Load	Permissible Rear Axle Load	Recommended Maximum Trailer Weight	Gross Train Weight
Esprit 412 / Bessacarr 412	130MJT (2.3L) / SWB / AC / CC	3300kg	1750kg	1900kg	1600kg	4900kg
Esprit 412 / Bessacarr 412	130MJT (2.3L) /SWB / AC / CC / AUTO	3300kg	1750kg	1900kg	1600kg	4900kg
Esprit 462 / Bessacarr 462	130MJT (2.3L) / MWB / AC/ CC	3500kg	1850kg	2000kg	1600kg	5100kg
Esprit 462 / Bessacarr 462	130MJT (2.3L) / MWB / AC / CC / AUTO	3500kg	1850kg	2000kg	1600kg	5100kg
Esprit 464 / Bessacarr 464**	130MJT (2.3L) / MWB / AC/ CC	3500kg	1850kg	2000kg	1600kg	5100kg
Esprit 464 / Bessacarr 464**	130MJT (2.3L) / MWB / AC / CC / AUTO	3500kg	1850kg	2000kg	1600kg	5100kg
Esprit 484 / Bessacarr 484**	130MJT (2.3L) / MLWB / AC/ CC	3500kg	1850kg	2000kg	1600kg	5100kg
Esprit 484 / Bessacarr 484**	130MJT (2.3L) / MLWB / AC / CC / AUTO	3500kg	1850kg	2000kg	1600kg	5100kg
Esprit 454 / Bessacarr 454	130MJT (2.3L) / LWB / AC/ CC	3650kg	1850kg	2000kg	1600kg	5250kg
Esprit 454 / Bessacarr 454	130MJT (2.3L) / LWB / AC / CC / AUTO	3650kg	1850kg	2000kg	1600kg	5250kg
Esprit 442 / Bessacarr 442	130MJT (2.3L) / LWB / AC / CC	3500kg	1850kg	2000kg	1600kg	5100kg
Esprit 442 / Bessacarr 442	130MJT (2.3L) / LWB / AC / CC / AUTO	3500kg	1850kg	2000kg	1600kg	5100kg
Esprit 442 / Bessacarr 442	130MJT (2.3L) / LWB / AC / CC	3650kg	1850kg	2000kg	1600kg	5250kg
Esprit 442 / Bessacarr 442	130MJT (2.3L) / LWB / AC / CC / AUTO	3650kg	1850kg	2000kg	1600kg	5250kg
Esprit 444 / Bessacarr 444	130MJT (2.3L) / AL-KO / AC / CC	4250kg	2100kg	2400kg	2000kg	6000kg
Esprit 444 / Bessacarr 444	130MJT (2.3L) / AL-KO / AC / CC / AUTO	4250kg	2100kg	2400kg	2000kg	6000kg
Esprit 496 / Bessacarr 496	130MJT (2.3L) / AL-KO / AC / CC	4250kg	2100kg	2400kg	2000kg	6000kg
Esprit 496 / Bessacarr 496	130MJT (2.3L) / AL-KO / AC / CC / AUTO	4250kg	2100kg	2400kg	2000kg	6000kg

CAUTION: When fitting a towbar, it must meet certain minimum requirements as specified by

Type Approval Regulations. The bar will have marked on it the approval standard (94/20/EC or 55RECE) and the maximum download, or noseweight, that it can accept. It must fit the manufacturer's approved mounting points and must not obscure the towing vehicle's number plate.

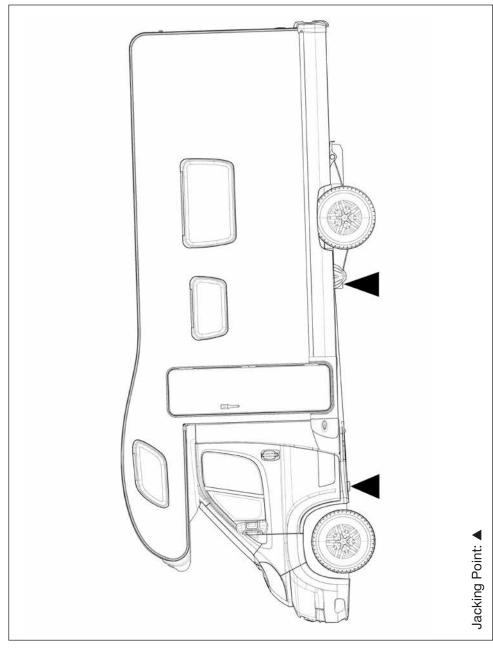
Please note that the additional weight of the tow bar and trailer nose weight increases the rear axle loading of the motor home so care should be taken that the rear axle load is not exceeded when towing.

To ensure adequate road holding, the load on the front axle, under all conditions, must not be less than 40% or more than 70% of the total weight.

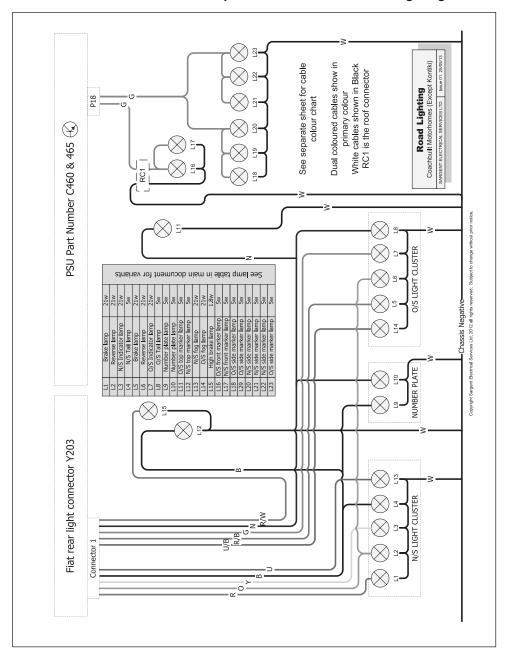
Care must be taken when distributing loads. The loadings and weights above are maximums and must not be exceeded under any circumstances.

<sup>\*\*</sup> With this vehicle configuration it will be necessary to reduce the payload carried inside the van when towing to ensure that the MTPLM and maximum axle loads are not exceeded.

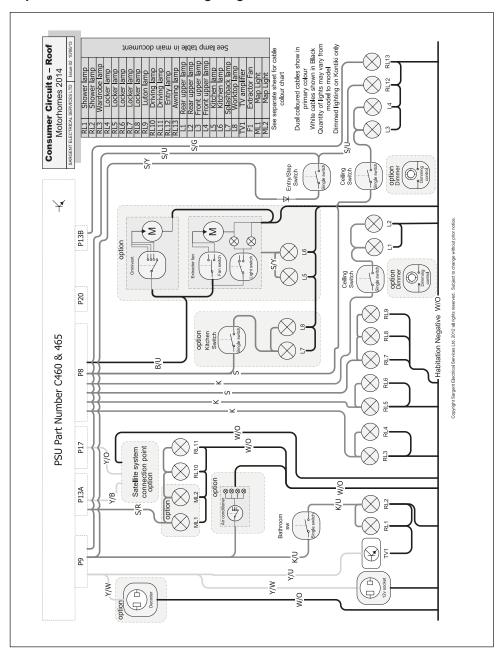
### Esprit / Bessacarr 400



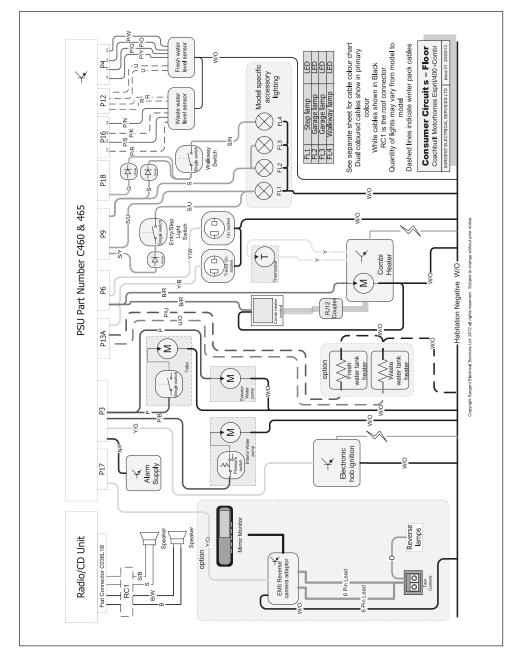
### Esprit / Bessacarr 400 - Road lighting circuits



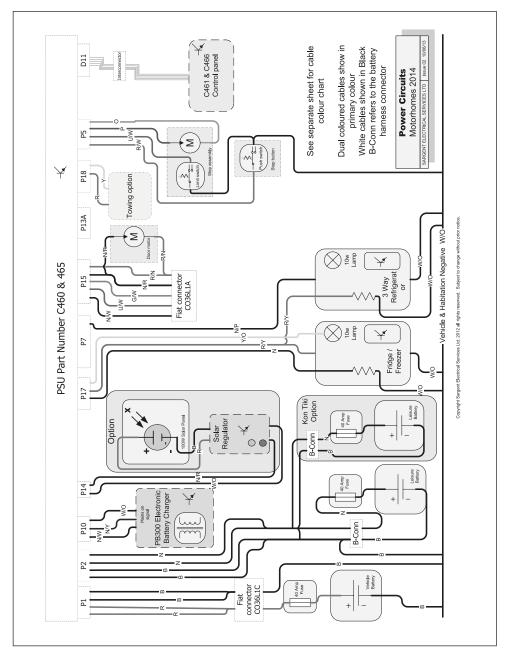
#### Esprit / Bessacarr 400 - Roof lighting circuits



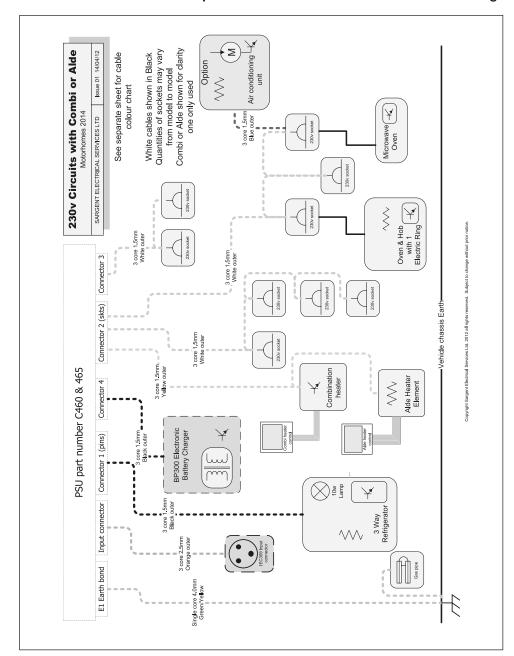
#### Esprit / Bessacarr 400 - Consumer Circuits - Floor circuits



#### Esprit / Bessacarr 400 - Power circuits



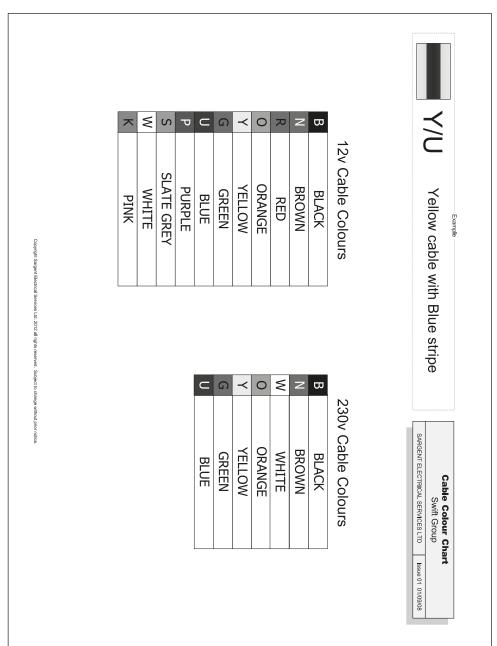
#### Esprit / Bessacarr 400 - 230v with combi heating



Wiring Diagrams

# **Bulb Chart**

#### Esprit / Bessacarr 400 - Cable Colour Chart



Road Lights				
Application	Bulb Reference	Bulb Rating		
Front marker light	W5W	12v 5W		
Side marker light	W5W	12v 5W		
Rear high level marker light	LED	12v <1W		
High level stop lamp	T5/13.5	12v 2.3W		
Rear indicator lamp	P21	12v 21W		
Rear Stop / Tail lamp	P21/5W	12v 21w / 5W		
Rear reverse lamp	P21	12v 21W		
Rear fog lamp	P21	12v 21W		
Number plate light	C5W	12v 5W		
Interior / Other				
Application		Bulb Rating		
Locker spot lights, LED	FEM0854 complete lamp	12v LED		
Luton lamp	300mm fluorescent	12v 8W		
China locker light	500mm cold cathode 4.5W light	12v 4.5W CCFL		
B-pillar map reading lamps	Complete lamp on 'swan neck' flexible arm	GU4 12v 10W		
Awning lamp, LED	FEM0945 LED complete unit	12v LED		
Over locker / high level furniture lights	FEM1214 flexible LED light strip cut to length	12v LED		
Illuminated back lighting	FEM1214 flexible LED light strip cut to length	12v LED		
Walk way single LED lights, black surround	FEM0993 LED complete ubit	12v LED		
Downlighter, ceiling panel, black surround	FEM0993 LED complete ubit	12v LED		
Downlighter, chrome	FEM1189 LED complete ubit	12v LED		

Note: Not all lights feature on all models within a range

### **Bulb replacement**

#### ESPRIT / BESSACARR 400 ROAD LIGHTING, COACH-BUILT BODY MOUNTED LAMPS

### STOP / TAIL, INDICATOR, FOG AND REVERSE LAMPS

Bulb access is from front / via lense of each lamp.

Remove 2x screws from each light lense and withdraw lense.

Bulbs are a bayonet fitting – apply slight pressure on bulb towards light fitting, and twist to release.

Reverse procedure to re-fit bulb and lense.

Take care when replacing stop/tail lamp bulb, that orientation of bulb is correct – to check, brake light operation should be brighter than tail lamp operation.

# UPPER REAR SIDE POSITION LAMPS (RED / CLEAR LENS)

- Lens is removed from base to access bulb
- Carefully insert small flat bladed screwdriver into recess in lower edge of lamp base.
   Apply pressure to release locking barb.

- Lift lens upwards and away from lamp base, lower edge first
- Lever bulb out of retaining clips
- Reverse procedure to re-fit bulb and lens

#### HIGH LEVEL BRAKE LAMP

- Remove 2x screws at either end of lamp, and withdraw lamp away from cowl
- Harness connects via a connector with retention barb into the rear of the lamp. With finger pressure or using a small screwdriver release the barb by pushing it toward the harness, and unplug the harness from the lamp
- Push fit connector back into replacement lamp, and secure lamp to motorhome body with 2x screws
- Lamp retaining screws are fixed into a rubber sleeve with a threaded insert, often known as a rawlnut. If lamp has been removed / re-fitted several times the rubber sleeve may need replacing, these are available through your dealer

#### FRONT UPPER MARKER / POSITION LAMPS

Bulb access is from rear of lamp.

Remove 2x screws from light fitting, and withdraw whole fitting from motorhome body.

Harness plugs into bulb holder – Twist bulb holder relative to lamp body to release bulb holder from lamp body.

Bulbs are push fit into bulb holder – pull bulb directly away from holder to release.

Reverse procedure to replace bulb in holder, holder in lamp and lamp onto motorhome body.

# FRONT HIGH LEVEL MARKER / POSITION LAMPS (RECTANGULAR LENSE)

These lamps are LED and have no user servicable parts inside.

Replacements should be undertakien by your dealer, as the lamps are sealed onto the mounting panel.

#### SIDE MARKER / POSITION LAMPS

Bulb access is from rear of lamp.

Check first within motorhome if rear of lamp is visible.

If rear of lamp is visible:

Harness plugs into bulb holder – Twist bulb holder relative to lamp body to release bulb holder from lamp body.

Bulbs are push fit into bulb holder – pull bulb directly away from holder to release.

Reverse procedure to replace bulb in holder, holder in lamp and lamp onto motorhome body.

If rear of lamp is not visible:

Remove 2x screws from light fitting, and withdraw whole fitting from motorhome body.

Harness plugs into bulb holder – Twist bulb holder relative to lamp body to release bulb holder from lamp body.

Bulbs are push fit into bulb holder – pull bulb directly away from holder to release.

Reverse procedure to replace bulb in holder, holder in lamp and lamp onto motorhome body.